

# **BIG-IP<sup>®</sup> Access Policy Manager<sup>®</sup>: Customization**

Version 11.5





# Table of Contents

<b>Legal Notices.....</b>	<b>7</b>
<b>Acknowledgments.....</b>	<b>9</b>
<b>Chapter 1: Overview of Customization.....</b>	<b>13</b>
Overview: What is customization?.....	14
About the Customization tool.....	14
About customization views and form factors.....	14
<b>Chapter 2: Configuring Settings in Basic Customization View.....</b>	<b>17</b>
About Basic Customization view.....	18
Customizing Basic settings.....	18
<b>Chapter 3: Personalizing Client Appearance in Advanced View.....</b>	<b>23</b>
What is client personalization?.....	24
Adding images with the image browser.....	24
Personalizing client colors, logos, and icons.....	24
Previewing customization changes.....	25
Appearance properties for BIG-IP Edge Client.....	25
Localizing screen appearance for BIG-IP Edge Client.....	26
Previewing customization changes.....	26
Localization properties for BIG-IP Edge Client.....	26
<b>Chapter 4: Personalizing Access Profile Appearance Settings.....</b>	<b>29</b>
What is access profile personalization?.....	30
Personalizing page appearance for common access profile settings.....	30
Previewing customization changes.....	30
General page style settings for access profiles.....	31
Font settings for access profiles.....	31
Page header settings for access profiles.....	31
Page footer settings for access profiles.....	32
Layout settings for access profiles.....	32
Image settings for access profiles.....	32
Form settings for access profiles.....	33
Form element settings for access profiles.....	33
Advanced customization image settings.....	34
Personalizing page appearance for access profile logout settings.....	34
Advanced customization image settings.....	35
Personalizing page appearance for access policy pages.....	35
Customization settings for access policy items.....	35

Localizing messages for BIG-IP Edge Client.....	36
Previewing customization changes.....	36
Customization settings for BIG-IP Edge Client localization.....	36
<b>Chapter 5: Personalizing Webtop Appearance Settings in Advanced View.....</b>	<b>39</b>
What is webtop appearance personalization?.....	40
Personalizing page appearance for webtops.....	40
Webtop network connectivity status icons settings.....	40
CSS sprite image setting.....	40
Web Applications Session Timeout settings.....	41
Web Applications Hometab settings.....	42
Full webtop settings.....	45
Full webtop popup window setting.....	45
Advanced customization image settings.....	46
<b>Chapter 6: Personalizing Images for Resources in Advanced View.....</b>	<b>47</b>
What is resource image personalization?.....	48
Personalizing resource images.....	48
<b>Chapter 7: Localizing Messages and Images in Advanced View.....</b>	<b>49</b>
What is full and mobile browser localization?.....	50
Localizing messages for common access profile settings.....	50
Localizing layout and content of the logon page.....	50
Framework installation settings.....	51
Endpoint security settings.....	52
Localizing layout and content of logout pages.....	53
Logout component settings.....	54
Localizing error messages.....	55
General error settings.....	55
AAA error settings.....	56
Installation error settings.....	57
Resource error settings.....	57
Dynamic configuration error settings.....	58
Other configuration error settings.....	59
Localizing logon pages.....	59
Logon page settings.....	59
Localizing decision pages.....	60
General decision page settings.....	60
Advanced customization image settings.....	61
Localizing message box pages.....	61
Advanced customization image settings.....	61
Localizing ending pages.....	62
Advanced customization image settings.....	62

<b>Chapter 8: Localizing Webtops in Advanced View</b> .....	<b>63</b>
What is webtop localization?.....	64
Localizing webtops.....	64
Webtop form and message settings.....	64
BIG-IP Edge Client webtop settings.....	66
Settings for showing and hiding information on webtops.....	66
Webtop logout and relaunch settings.....	67
Webtop activity section setting.....	67
Webtop new session settings.....	67
Webtop web applications session timeout settings.....	68
Webtop hometab settings.....	69
Full webtop settings.....	70
Full webtop popup window settings.....	70
Full webtop Citrix logon form settings.....	71
Full webtop Citrix installer settings.....	72
Full webtop Citrix browser setting.....	72
<b>Chapter 9: Localizing Captions for Resources in Advanced View</b> .....	<b>73</b>
What is resource caption localization?.....	74
Localizing captions.....	74
<b>Chapter 10: Changing Customized Properties with Advanced Edit Mode</b> .....	<b>75</b>
What is Advanced Edit Mode customization?.....	76
Editing files in Advanced Edit Mode.....	76
<b>Chapter 11: Customizing the APM logon page</b> .....	<b>79</b>
Overview: Customizing the logon page.....	80
Customizing a logo on the logon screen.....	80



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# Chapter 1

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## Overview of Customization

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- *Overview: What is customization?*
-

### Overview: What is customization?

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Customization allows you to provide users with a personalized experience for access policy screens, windows, and errors. Using the Customization tool, you can apply your organization's brand images and colors, change messages and errors for local languages, and change the layout of user pages and screens.

### About the Customization tool

The Customization tool is an application that you start from the BIG-IP® admin console. With the Customization tool, you can personalize screen messages and prompts, change screen layouts, colors, and images, and customize error and other messages to specific languages for policies and profiles used on BIG-IP Access Policy Manager®.

### Starting the Customization tool

Start the Customization tool to personalize and localize page layout, colors, images, and messages for the BIG-IP® Edge Client®, browser pages, and mobile device screens.

On the Main tab, click **Access Policy > Customization**.

The Customization tool appears, in Basic Customization view.

You can use the Customization tool inside the BIG-IP admin console, or click **Popout** to open it in a separate browser window.

After you personalize settings, remember to click the **Save** icon to apply your changes.

### About customization views and form factors

The Customization tool provides two views.

#### Basic Customization (Quick Start)

This is the default customization view. Use this to configure basic look and feel for pages, and common text labels and captions for resources on the webtop.

#### Advanced Customization (Advanced)

This is the advanced customization view that provides a tree structure for configuration elements, and more detailed methods to configure and customize objects.

The Advanced Customization view provides two form factors, which you can use to customize different access policy features.

#### Full/Mobile browser

Use this mode to configure pages that are viewed in a web browser or on a mobile device.

#### BIG-IP Edge Client

Use this mode to configure the appearance and messages that appear in the BIG-IP® Edge Client® for a platform or device.

In addition, for each form factor you can choose to customize **Branding** or **Localization** by selecting the tab at the top of the Form Factor column.

**Branding**

Customization controls the look of the user interface, such as fonts, images, colors, and general layout.

**Localization**

Customization provides personalization for the text and messages that appear for each language specified in an access profile.



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# Chapter 2

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## Configuring Settings in Basic Customization View

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- *About Basic Customization view*
-

### About Basic Customization view

---

You can use the Basic Customization view to configure common settings for access profile web pages, and the webtop captions, descriptions, and images for any item that appears on a full webtop. In addition, you can customize webtop font size and link colors.

With this view, you can customize all of these items:

#### Common Page Styles

Specifies settings for the logon form display, header image, and alignment of items.

#### Webtop items

Specifies settings for the display of resources (app tunnels, remote desktops, network access tunnels, webtop links, and portal access resources) on the full webtop.

#### Common webtop settings

Specifies display settings that apply to all resources on the full webtop.

#### Webtop links

Specifies display settings that apply to all resources on the full webtop.

### Customizing Basic settings

Start Basic customization to configure custom settings for access profiles and items that appear on the full webtop. Basic customization provides a starting point that you can later refine through the Advanced Customization view.

1. From the Main tab, click **Access Policy > Customization > Quick Start**.  
The Basic Customization view opens.
2. In the left column of the page, select the category of items to customize.  
For example, select **Network Access** to customize the appearance of a network access resource item on the full webtop.
3. On the right-side of the page, from the list, select the specific item for which you want to customize settings.  
The customizable settings for the item are displayed.
4. Configure settings for the resource item or access profile.  
Click **Preview** to display your settings without saving your changes.

After you customize settings, click **Save** to save the new customization settings. To return to the original settings and discard your changes, click **Revert**.

#### Common page style settings

You can customize the following common page style settings for an access profile with the Basic view in the Customization tool. Select **Common Page Styles** to view these settings.

Name	Value	Description
Access Profile	An access profile already defined on the system	The access profile for which you want to change basic settings.
Language	A language already specified in the access profile on the system	This specifies the language for which you are changing customization settings. Select <b>All languages</b> to apply the same customization changes to all languages in the access profile.
Form Left Margin	A numeric pixel value, or a percentage (for example, 10px or 5%)	The margin between the left edge of the form and the left edge of the browser window, on form-based pages.
Form Top Margin	A numeric pixel value or a percentage, (for example, 10px)	The margin between the top edge of the form and the bottom edge of the header image, on form-based pages.
Form Height	A numeric pixel value or a percentage, (for example, 500px or 50%)	The height of the form, on form-based pages. Any value less than the full height of the browser increases the space at the bottom of the form, as the top margin is set by the <b>Form Top Margin</b> value.
Form Background Color	A color, selected from a color chooser.	Indicates the color behind form-based pages.
Footer Text	A text string.	Specifies the footer message that appears at the bottom of access policy web pages.
Footer Font Size	Font size in pixels (for example 10px).	Indicates the size for the footer message at the bottom of access policy web pages.
Page Alignment	Left, center, or right	Sets the alignment of the page within the web browser window.
Page Width	Pixel or percentage value (for example 90%)	The width of any access policy web pages inside the web browser frame.
Header Logo	An image	The header logo appears, by default, at the upper-left corner of the defined HTML page. Typically this is a square, transparent image file. Acceptable formats for transparency are GIF and PNG. The page header area expands to the height of this image.

### App tunnel basic settings

You can customize the following settings for an app tunnel on the full webtop, with the Basic view in the Customization tool. Select **App Tunnel** to view these settings.

Name	Value	Description
App Tunnel	An app tunnel already defined on the system	The app tunnel for which you want to change basic settings.
Language	A language already specified on the system	This specifies the language for which you are changing customization settings. Select <b>All languages</b> to apply the same customization changes to all languages in the access profile.
Caption	A text string	The text under the icon for the app tunnel, on a full webtop.

## Configuring Settings in Basic Customization View

Name	Value	Description
Description	A text string	The description text for the app tunnel, on a full webtop.
Image	An image or icon	The image acts as an icon on the full webtop to represent the app tunnel. Select an image from the list, or click <b>Upload New Image</b> to add a new image.

### Network access basic settings

You can customize the following settings for a network access resource on the full webtop, with the Basic view in the Customization tool. Select **Network Access** to view these settings.

Name	Value	Description
Network Access	A network access resource already defined on the system	The network access resource for which you want to change basic settings.
Language	A language already specified on the system	This specifies the language for which you are changing customization settings. Select <b>All languages</b> to apply the same customization changes to all languages in the access profile.
Caption	A text string	The text under the icon for the network access resource, on a full webtop.
Description	A text string	The description text for the network access resource, on a full webtop.
Image	An image or icon	The image acts as an icon on the full webtop to represent the network access resource. Select an image from the list, or click <b>Upload New Image</b> to add a new image.

### Remote desktop basic settings

You can customize the following settings for a remote desktop on the full webtop, with the Basic view in the Customization tool. Select **Remote Desktop** to view these settings.

Name	Value	Description
Network Access	A remote desktop already defined on the system	The remote desktop for which you want to change basic settings.
Language	A language already specified on the system	This specifies the language for which you are changing customization settings. Select <b>All languages</b> to apply the same customization changes to all languages in the access profile.
Caption	A text string	The text under the icon for the remote desktop, on a full webtop.
Description	A text string	The description text for the remote desktop, on a full webtop.
Image	An image or icon	The image acts as an icon on the full webtop to represent the remote desktop. Select an image from the list, or click <b>Upload New Image</b> to add a new image.

## Common webtop settings

You can customize the following shared settings for full webtops, with the Basic view in the Customization tool. Select **Common Webtop Settings** to view these settings.

Name	Value	Description
Webtop	A webtop already defined on the system	The webtop for which you want to change basic settings.
Language	A language already specified on the system	This specifies the language for which you are changing customization settings. Select <b>All languages</b> to apply the same customization changes to all languages in the access profile.
Font size	A pixel value, (for example 14px)	The font size used for text on the full webtop.
Link color	A color, selected from a color chooser	Indicates the color for links on the webtop.
Image	An image or icon	The image appears on the full webtop. Select an image from the list, or click <b>Upload New Image</b> to add a new image.

## Webtop link basic settings

You can customize the following settings for a webtop link on the full webtop, with the Basic view in the Customization tool. Select **Portal Access** to view these settings.

Name	Value	Description
Webtop link	A webtop link already defined on the system	The webtop link for which you want to change basic settings.
Language	A language already specified on the system	This specifies the language for which you are changing customization settings. Select <b>All languages</b> to apply the same customization changes to all languages in the access profile.
Caption	A text string	The text under the icon for the webtop link, on a full webtop.
Description	A text string	The description text for the webtop link, on a full webtop.
Image	An image or icon	The image acts as an icon on the full webtop to represent the webtop link. Select an image from the list, or click <b>Upload New Image</b> to add a new image.

## Portal access resource basic settings

You can customize the following settings for a portal access resource on the full webtop, with the Basic view in the Customization tool. Select **Portal Access** to view these settings.

Name	Value	Description
Portal Access	A portal access resource already defined on the system	The portal access resource for which you want to change basic settings.

## Configuring Settings in Basic Customization View

Name	Value	Description
Language	A language already specified on the system	This specifies the language for which you are changing customization settings. Select <b>All languages</b> to apply the same customization changes to all languages in the access profile.
Caption	A text string	The text under the icon for the portal access resource, on a full webtop.
Description	A text string	The description text for the portal access resource, on a full webtop.
Image	An image or icon	The image acts as an icon on the full webtop to represent the portal access resource. Select an image from the list, or click <b>Upload New Image</b> to add a new image.

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# Chapter

# 3

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## Personalizing Client Appearance in Advanced View

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- *What is client personalization?*
- *Adding images with the image browser*
- *Personalizing client colors, logos, and icons*
- *Localizing screen appearance for BIG-IP Edge Client*

### What is client personalization?

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To personalize client pages, you use BIG-IP® Edge Client® customization. You can change the branding and localization of the BIG-IP Edge Client on client PCs and devices.

### Adding images with the image browser

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You can add images to Access Policy Manager® with the image browser. You can then select and use these images by means of settings within the Customization tool.

1. On the Main tab, click **Access Policy > Customization**.  
The Customization tool appears, in Basic Customization view.
2. From the View list, select **Advanced Customization**.  
The Customization tool switches to Advanced (tree) view.
3. On the top pane of the Customization tool, click **Image Browser**.  
The image browser opens in a new window.
4. Select the image filter method from the **Filter Messages** list.
  - Select **Default Images** to view the included default Access Policy Manager images.
  - Select **User Uploaded Images** to view the custom uploaded images.
5. Add and remove images.
  - To add an image, click **Add Image**, select the image, and click **Open**.
  - To remove an image, select the image in the image browser, and click **Delete Image**.

### Personalizing client colors, logos, and icons

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In a connectivity profile, you can customize the appearance of the BIG-IP® Edge Client® and the web client. The settings you specify are saved with the connectivity profile, and applied when users download the client package.

1. On the Main tab, click **Access Policy > Customization**.  
The Customization tool appears, in Basic Customization view.
2. From the View list, select **Advanced Customization**.  
The Customization tool switches to Advanced (tree) view.
3. In Advanced Customization view, from the **Form Factor** menu at the top of the Customization tool, select **BIG-IP Edge Client**.
4. Under **Form Factor: BIG-IP Edge Client**, select the **Branding** tab.
5. Expand the folders in the Customization tool navigation pane to select the BIG-IP Edge Client in **Customization Settings > Connectivity Profiles > *name\_of\_connectivity\_profile* > BIG-IP Edge Client**.
6. Customize the settings for BIG-IP Edge Client branding.
7. After you customize settings, click the **Save** icon at the top of the Customization tool.

## Previewing customization changes

You must have customized an element with the Customization tool to see a preview of your changes.

After you customize and save an element with the Customization tool, you can preview the changes you have made in the Preview window. The Preview window opens a separate browser window, and shows a live update of changes as you save them.

1. On the Main tab, click **Access Policy > Customization**.  
The Customization tool appears, in Basic Customization view.
2. From the View list, select **Advanced Customization**.  
The Customization tool switches to Advanced (tree) view.
3. At the top of the Customization tool, click the **Preview** button.
4. Navigate to a page to view customizations. For example, to navigate to a login page and view the results of access profile branding customization, in the Preview window, expand **Customization Settings > Access Profiles > *access\_profile\_name* > Access Policy > Logon Pages > *logon\_page\_name***.

The Preview window shows the results of any customization changes.

## Appearance properties for BIG-IP Edge Client

You can customize the following appearance settings for BIG-IP® Edge Client® with the Customization tool.

Name	Value	Description
Banner Color	A hex color code, for example, #123ABC. When you click the color value, two color choosers appear. One allows you to select a color from 40 common color blocks, and the other allows you to select any HTML color from a more sophisticated color wheel. You can also type the color value in as text.	Indicates the color that the banner for the BIG-IP Edge Client uses. Note that the Banner Text Color should be legible over this color.
Banner Text Color	A hex color code, for example, #123ABC. When you click the color value, two color choosers appear. One allows you to select a color from 40 common color blocks, and the other allows you to select any HTML color from a more sophisticated color wheel. You can also type the color value in as text.	Indicates the color in which the banner text appears. This color appears over the <b>Banner Color</b> and should be readable on it.
Logo	A 48 x 48 PNG, JPG, or GIF icon.	This logo appears in the BIG-IP Edge Client as the company logo. The generic logo is an F5 logo. To change the logo, click the logo popout button, then click <b>Replace</b> . Select an image file to replace the logo file. Note that you can add files to the Customization tool in the image browser.
Tray Icon Set	The F5 tray logo set or the generic icon set.	Select the setting that will appear in the system tray to show connection activity and status. You can choose the <b>F5</b> icon set (red ball), or a <b>Generic</b> icon set.

## Localizing screen appearance for BIG-IP Edge Client

Configure localization for BIG-IP® Edge Client® to change the messages and text in the BIG-IP Edge Client application.

1. On the Main tab, click **Access Policy > Customization**.  
The Customization tool appears, in Basic Customization view.
2. From the View list, select **Advanced Customization**.  
The Customization tool switches to Advanced (tree) view.
3. In Advanced Customization view, from the **Form Factor** menu at the top of the Customization tool, select **BIG-IP Edge Client**.
4. Under **Form Factor: BIG-IP Edge Client** select the **Localization** tab.
5. Expand the folders in the Customization tool navigation pane to select the BIG-IP Edge Client in **Customization Settings > Connectivity Profiles > name\_of\_connectivity\_profile > BIG-IP Edge Client**.
6. At the top right-side of the customization settings pane, select the **Language** for which to customize localization messages for the BIG-IP Edge Client.
7. Customize the settings for BIG-IP Edge Client localization.
8. After you customize settings, click the **Save** icon at the top of the Customization tool.

### Previewing customization changes

You must have customized an element with the Customization tool to see a preview of your changes.

After you customize and save an element with the Customization tool, you can preview the changes you have made in the Preview window. The Preview window opens a separate browser window, and shows a live update of changes as you save them.

1. On the Main tab, click **Access Policy > Customization**.  
The Customization tool appears, in Basic Customization view.
2. From the View list, select **Advanced Customization**.  
The Customization tool switches to Advanced (tree) view.
3. At the top of the Customization tool, click the **Preview** button.
4. Navigate to a page to view customizations. For example, to navigate to a login page and view the results of access profile branding customization, in the Preview window, expand **Customization Settings > Access Profiles > access\_profile\_name > Access Policy > Logon Pages > logon\_page\_name**.

The Preview window shows the results of any customization changes.

### Localization properties for BIG-IP Edge Client

You can customize the following settings for BIG-IP® Edge Client® customization with the Customization tool.

Name	Value	Description
About link	A URL	The text that appears as a link in the About area of the BIG-IP Edge Client.

<b>Name</b>	<b>Value</b>	<b>Description</b>
About text	Text	Text, typically copyright info or some other identifying information, that appears in the About area of the BIG-IP Edge Client.
Application Name	Text	The application name, which appears in the status bar of the application.



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# Chapter

# 4

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## Personalizing Access Profile Appearance Settings

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- *What is access profile personalization?*
- *Personalizing page appearance for common access profile settings*
- *Personalizing page appearance for access profile logout settings*
- *Personalizing page appearance for access policy pages*
- *Localizing messages for BIG-IP Edge Client*

### What is access profile personalization?

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With full and mobile browser customization, you can change the appearance, text, and messages of all pages that a browser views, either from the BIG-IP® Edge Client® by directly logging in through a web browser, or on a mobile device. Some settings that are specific to the BIG-IP Edge Client software are customized separately in the BIG-IP Edge Client customization view.

### Personalizing page appearance for common access profile settings

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Personalize access profile login pages to change the front image and advanced customization images for the login page in a specific access policy.

1. On the Main tab, click **Access Policy > Customization**.  
The Customization tool appears, in Basic Customization view.
2. From the View list, select **Advanced Customization**.  
The Customization tool switches to Advanced (tree) view.
3. In Advanced Customization view, from the **Form Factor** menu at the top of the Customization tool, select **Full/Mobile Browser**.
4. Under **Form Factor: Full/Mobile Browser**, select the Branding tab.
5. Expand the folders in the Customization tool to customize settings. Navigate to **Customization Settings > Access Profiles > *access\_profile\_name* > Common** to configure common settings.
6. Customize the settings for each individual element by clicking on the element and changing the displayed settings.
7. After you customize settings, click the **Save** icon at the top of the Customization tool.

The access policy login page reflects your changes.

### Previewing customization changes

You must have customized an element with the Customization tool to see a preview of your changes.

After you customize and save an element with the Customization tool, you can preview the changes you have made in the Preview window. The Preview window opens a separate browser window, and shows a live update of changes as you save them.

1. On the Main tab, click **Access Policy > Customization**.  
The Customization tool appears, in Basic Customization view.
2. From the View list, select **Advanced Customization**.  
The Customization tool switches to Advanced (tree) view.
3. At the top of the Customization tool, click the **Preview** button.
4. Navigate to a page to view customizations. For example, to navigate to a login page and view the results of access profile branding customization, in the Preview window, expand **Customization Settings > Access Profiles > *access\_profile\_name* > Access Policy > Logon Pages > *logon\_page\_name***.

The Preview window shows the results of any customization changes.

## General page style settings for access profiles

You can customize the following settings for general page style with the Customization tool.

Name	Value	Description
<b>Page alignment</b>	Left, center, or right.	Indicates the general HTML page alignment for all pages displayed by the access profile.
<b>Page background color</b>	A hex color code, for example, #123ABC. When you click the color value, two color choosers appear. One allows you to select a color from 40 common color blocks, and the other allows you to select any HTML color from a more sophisticated color wheel. You can also type the color value in as text.	Indicates the color for the general page background for all pages displayed by the access profile.
<b>Page width (px or %)</b>	A specific pixel value, for example 800px, or a percentage, for example 80%.	Specifies the width of the content on all HTML pages displayed by the access profile, as an absolute pixel value or as a percentage of the entire browser screen.

## Font settings for access profiles

You can customize the following settings for general page style with the Customization tool.

Name	Value	Description
Font family (comma-separated)	Font names or font-family names, space-separated, for example Calibri, Tahoma, Verdana, Arial, Helvetica, Sans-Serif.	Specifies the base font used by pages displayed by the access profile.
Headline font size (px)	A pixel value, for example 18px.	Indicates the pixel size for heading items on pages displayed by the access profile.
Text font size (px)	A pixel value, for example 14px.	Indicates the pixel size for text items on pages displayed by the access profile.

## Page header settings for access profiles

You can customize the following settings for the page header style with the Customization tool.

Name	Value	Description
Disconnect icon	An image icon 48 x 48 pixels or smaller.	Specifies the icon image displayed in the browser when the page is disconnected.
Header background color	A hex color code, for example, #123ABC. When you click the color value, two color choosers appear. One allows you to select a color from 40 common color blocks, and the other allows you to select any HTML color from a more sophisticated color	Indicates the background color for HTML header elements for the web pages served to web and mobile clients.

## Personalizing Access Profile Appearance Settings

Name	Value	Description
	wheel. You can also type the color value in as text.	
Header left image (Full Size)	An image name. This is a larger image up to 80 x 80 pixels, for display on web pages.	The header image for web pages. To replace this image, type the relative path, or click the preview icon to the right of the filename, and click <b>Replace</b> .
Header left image (Mobile Devices Size)	An image name. This is a smaller image up to 32 x 32 pixels, for display on mobile devices.	The header image for mobile device pages. To replace this image, type the relative path, or click the preview icon to the right of the filename, and click <b>Replace</b> .

### Page footer settings for access profiles

You can customize the following settings for the page footer style with the Customization tool.

Name	Value	Description
<b>Footer font size (px)</b>	A font size, in pixels, for example 12px.	Specifies the font size for text in web page footers.

### Layout settings for access profiles

You can customize the following settings for page layouts with the Customization tool.

Name	Value	Description
<b>Form cell width (px or %)</b>	Width, in pixels or percentage, of the main login page form, for example 240px, or 50%.	Specifies the width of the login page form in pixels or as a percentage of the frame.
<b>Image cell width (px or %)</b>	Width, in pixels or percentage, of the main login page image cell width, for example 240px, or 50%.	Specifies the width of the login page image area in pixels or as a percentage of the frame.
<b>Main table background color</b>	A hex color code, for example, #123ABC. When you click the color value, two color choosers appear. One allows you to select a color from 40 common color blocks, and the other allows you to select any HTML color from a more sophisticated color wheel. You can also type the color value in as text.	Indicates the background color for the login page main frame.
<b>Page layout</b>	Form left, form center, or form right.	Indicates the placement of the login page form on the main access policy page.

### Image settings for access profiles

You can customize the following settings for the main page image with the Customization tool.

Name	Value	Description
<b>Default image</b>	Width, in pixels or percentage, of the main login page form, for example 240px, or 50%.	Specifies the width of the login page form in pixels or as a percentage of the frame.
<b>Image left margin (px)</b>	Left side margin, in pixels, of the main login page image, for example 24px.	Specifies the left margin of the login page image.
<b>Image right margin (px)</b>	Right side margin, in pixels, of the main login page image, for example 24px.	Specifies the right margin of the login page image.
<b>Image top margin (px)</b>	Top-edge margin, in pixels, of the main login page image, for example 24px.	Specifies the top margin of the login page image.
<b>Side image alignment</b>	Center, left, or right.	Specifies the alignment of the image within the side frame.

## Form settings for access profiles

You can customize the following settings for the login form with the Customization tool.

Name	Value	Description
<b>Form alignment</b>	Center, left, or right.	Specifies the alignment of the form within the form frame.
<b>Form background color</b>	A hex color code, for example, #123ABC. When you click the color value, two color choosers appear. One allows you to select a color from 40 common color blocks, and the other allows you to select any HTML color from a more sophisticated color wheel. You can also type the color value in as text.	Indicates the background color for the login page form.
<b>Form height (px, %, or auto)</b>	Height value in pixels, as a percentage of the frame, or auto, for example 240px, 40%, or auto.	Specifies the height of the login form in the login frame.
<b>Form left margin (px)</b>	Left margin, in pixels, of the main login page form, for example 24px.	Specifies the left margin of the login form.
<b>Form right margin (px)</b>	Right margin, in pixels, of the main login page form, for example 24px.	Specifies the right margin of the login form.
<b>Form top margin (px)</b>	Top margin, in pixels, of the main login page form, for example 24px.	Specifies the top margin of the login form.
<b>Form width (px or %)</b>	Form width in pixels or as a percentage of the form frame, for example 250px or 50%.	Specifies the login form width within the login frame.

## Form element settings for access profiles

You can customize the following settings for the appearance of elements in the login form with the Customization tool.

Name	Value	Description
<b>Field alignment</b>	Center, left, or right.	Specifies how fields align in the login form.

Name	Value	Description
<b>Field width (%)</b>	A percentage value, for example 67%.	Specifies the width of fields in the login form, as a percentage of the total size of the login form.
<b>Header alignment</b>	Left, center, or right.	Specifies the alignment of header elements in the login form.
<b>Label alignment</b>	Left, center, or right.	Specifies the alignment of form field labels in the login form.
<b>Label position</b>	Left or above.	Specifies whether login form field labels are above or to the left of their respective fields.
<b>Label width (%)</b>	A percentage value, for example 67%.	Specifies the width of field labels in the login form.

### Advanced customization image settings

You set advanced customization images to make images you add through the image browser available to your advanced customization pages.

The **Advanced Customization Images** properties pages allow you to set advanced customization images from the image browser to associate with advanced customization image names. You can then use the image name to add an image to an advanced customization page.

To select an image from the image browser to associate with an image for advanced customization, click the button next to the current (or default) image name, and select **Replace**.

## Personalizing page appearance for access profile logout settings

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Personalize access profile logout settings to add advanced customization image support to logout pages in the access profile.

1. On the Main tab, click **Access Policy > Customization**.  
The Customization tool appears, in Basic Customization view.
2. From the View list, select **Advanced Customization**.  
The Customization tool switches to Advanced (tree) view.
3. In Advanced Customization view, from the **Form Factor** menu at the top of the Customization tool, select **Full/Mobile Browser**.
4. Under **Form Factor: Full/Mobile Browser**, select the Branding tab.
5. Expand the folders in the Customization tool to customize settings. Navigate to **Customization Settings > Access Profiles > *access\_profile\_name* > Logout** to configure logout settings.
6. Customize the settings for advanced customization images.
7. After you customize settings, click the **Save** icon at the top of the Customization tool.

The access policy advanced customization page reflects your changes.

## Advanced customization image settings

You set advanced customization images to make images you add through the image browser available to your advanced customization pages.

The **Advanced Customization Images** properties pages allow you to set advanced customization images from the image browser to associate with advanced customization image names. You can then use the image name to add an image to an advanced customization page.

To select an image from the image browser to associate with an image for advanced customization, click the button next to the current (or default) image name, and select **Replace**.

## Personalizing page appearance for access policy pages

Personalize access policy pages to change advanced customization images for the login page in a specific access policy, and to add advanced customization images for other access policy pages.

1. On the Main tab, click **Access Policy > Customization**.  
The Customization tool appears, in Basic Customization view.
2. In Advanced Customization view, from the **Form Factor** menu at the top of the Customization tool, select **Full/Mobile Browser**.
3. Under **Form Factor: Full/Mobile Browser**, select the Branding tab.
4. Expand the folders in the Customization tool to customize settings. Navigate to **Customization Settings > Access Profiles > access\_profile\_name > Access Policy**, and select the folder of the item to customize.
5. Customize the settings for each individual element by clicking on the element and changing the displayed settings.
6. After you customize settings, click the **Save** icon at the top of the Customization tool.

The access policy pages reflect your changes.

## Customization settings for access policy items

You can personalize the following settings for pages exposed to the user in an access policy.

Name	Value	Description
General > Front image	Image	The image that appears in the image frame of the login page for an access policy.
Advanced Customization Images	Images	Each Advanced Customization Images properties page allows you to set advanced customization images from the image browser to associate with advanced customization image names. Each access policy item has a page for advanced customization images. You can use these image names to add an image to a page using advanced customization. To select an image from the image browser to associate with an image for advanced customization, click the button next to the current (or default) image name, and select <b>Replace</b> .

## Localizing messages for BIG-IP Edge Client

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Configure localization for BIG-IP® Edge Client® to change the messages and text in the BIG-IP Edge Client application.

1. On the Main tab, click **Access Policy > Customization**.  
The Customization tool appears, in Basic Customization view.
2. From the View list, select **Advanced Customization**.  
The Customization tool switches to Advanced (tree) view.
3. In Advanced Customization view, from the **Form Factor** menu at the top of the Customization tool, select **BIG-IP Edge Client**.
4. Expand the folders in the Customization tool navigation pane to select the BIG-IP Edge Client in **Customization Settings > Connectivity Profiles > name\_of\_connectivity\_profile > BIG-IP Edge Client**.
5. At the top right-side of the customization settings pane, select the **Language** for which to customize localization messages for the BIG-IP Edge Client.
6. Customize the settings for BIG-IP Edge Client localization.
7. After you customize settings, click the **Save** icon at the top of the Customization tool.

### Previewing customization changes

You must have customized an element with the Customization tool to see a preview of your changes.

After you customize and save an element with the Customization tool, you can preview the changes you have made in the Preview window. The Preview window opens a separate browser window, and shows a live update of changes as you save them.

1. On the Main tab, click **Access Policy > Customization**.  
The Customization tool appears, in Basic Customization view.
2. From the View list, select **Advanced Customization**.  
The Customization tool switches to Advanced (tree) view.
3. At the top of the Customization tool, click the **Preview** button.
4. Navigate to a page to view customizations. For example, to navigate to a login page and view the results of access profile branding customization, in the Preview window, expand **Customization Settings > Access Profiles > access\_profile\_name > Access Policy > Logon Pages > logon\_page\_name**.

The Preview window shows the results of any customization changes.

### Customization settings for BIG-IP Edge Client localization

You can customize the following settings for BIG-IP® Edge Client® customization with the Customization tool.

Name	Value	Description
About link	A URL	The text that appears as a link in the about area of the BIG-IP Edge Client.

<b>Name</b>	<b>Value</b>	<b>Description</b>
About text	Text	Text, typically copyright info or some other identifying information, that appears in the about area of the BIG-IP Edge Client.
Application Name	Text	The application name, which appears in the status bar of the application.



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# Chapter 5

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## Personalizing Webtop Appearance Settings in Advanced View

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- *What is webtop appearance personalization?*
- *Personalizing page appearance for webtops*

## What is webtop appearance personalization?

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You can customize the appearance of a webtop, including the layout of the webtop screen, images, and colors associated with the webtop.

## Personalizing page appearance for webtops

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Personalize webtop appearance settings to change the appearance and layout of specific webtops.

1. On the Main tab, click **Access Policy > Customization**.  
The Customization tool appears, in Basic Customization view.
2. From the View list, select **Advanced Customization**.  
The Customization tool switches to Advanced (tree) view.
3. In Advanced Customization view, from the **Form Factor** menu at the top of the Customization tool, select **Full/Mobile Browser**.
4. Under **Form Factor: Full/Mobile Browser** select the Branding tab.
5. Expand the folders in the Customization tool to customize settings.
6. Navigate to **Customization Settings > Webtops > *webtop\_name***.
7. Customize the settings for each individual element by clicking on the element and changing the displayed settings.
8. After you customize settings, click the **Save** icon at the top of the Customization tool.

The webtop pages display your changes.

## Webtop network connectivity status icons settings

You can customize the following icons for connectivity status on the webtop.

Name	Value	Description
<b>Connected icon</b>	16x16px image	Specifies the image for the connected status light on the webtop.
<b>Disconnected icon</b>	16x16px image	Specifies the image for the disconnected status light on the webtop.
<b>Waiting icon</b>	32x32px image	Specifies the image that displays while the client is connecting.

## CSS sprite image setting

You can specify the portal access connection CSS sprites image with this setting.

Name	Value	Description
<b>CSS Sprites image</b>	An image file	Specifies the image to use for sprites to construct the webtop windows.

## Web Applications Session Timeout settings

Portal access timeouts cause special behavior on the portal access webtop screen. When the session reaches the session timeout guard time, BIG-IP® Access Policy Manager® displays a session timeout warning, and dims the screen behind the warning. Depending on the type of timeout, the user sees different choices. You can use the following options to customize and configure session timeout options.

Name	Value	Description
<b>'Inactivity Timeout' background color</b>	A hex color code, for example, #123ABC. When you click the color value, two color choosers appear. One allows you to select a color from 40 common color blocks, and the other allows you to select any HTML color from a more sophisticated color wheel. You can also type the color value in as text.	Specifies the color of the background that appears behind the session timeout warning pop-up screen, when the timeout occurs because the session is inactive.
<b>'Maximum Session Timeout' background color</b>	A hex color code, for example, #123ABC. When you click the color value, two color choosers appear. One allows you to select a color from 40 common color blocks, and the other allows you to select any HTML color from a more sophisticated color wheel. You can also type the color value in as text.	Specifies the color of the background that appears behind the session timeout warning pop-up screen, when the timeout occurs because the session has reached the maximum timeout.
<b>Dialog background color</b>	A hex color code, for example, #123ABC. When you click the color value, two color choosers appear. One allows you to select a color from 40 common color blocks, and the other allows you to select any HTML color from a more sophisticated color wheel. You can also type the color value in as text.	Indicates the page background color for the timeout dialog box presented by session inactivity timeouts or maximum session timeouts.
<b>Dialog x-size in pixels</b>	Number (px)	Specifies the width, in pixels, of the timeout dialog.
<b>Dialog y-size in pixels</b>	Number (px)	Specifies the height, in pixels, of the timeout dialog.
<b>Dimmed opacity percentage</b>	Number (1-100)	Specifies the opacity of the background that appears behind the session timeout warning pop-up screen.
<b>Guard time</b>	Number (seconds)	Specifies the number of seconds before timeout that the session timeout warning pop-up screen appears.
<b>Position of buttons Background image</b>	Coordinates in px (-left, -top)	Specifies the offset from the left and top margin of the CSS Sprites image for the

Name	Value	Description
<b>(hover) in CSS Sprites image</b>		button background image that appears when the mouse hover.
<b>Position of buttons Background image in CSS Sprites image</b>	Coordinates in px (-left, -top)	Specifies the offset from the left and top margin of the CSS Sprites image for the button background image.
<b>Position of header Background image in CSS Sprites image</b>	Coordinates in px (-left, -top)	Specifies the offset from the left and top margin of the CSS Sprites image for the background hover image.
<b>Position of Left Sidepart image (hover) in CSS Sprites image</b>	Coordinates in px (-left, -top)	Specifies the offset from the left and top margin of the CSS Sprites image for the left-side mouse hover image.
<b>Position of Left Sidepart image in CSS Sprites image</b>	Coordinates in px (-left, -top)	Specifies the offset from the left and top margin of the CSS Sprites image for the left-side image.
<b>Position of Logout image in CSS Sprites image</b>	Coordinates in px (-left, -top)	Specifies the offset from the left and top margin of the CSS Sprites image for the logout image.
<b>Position of Right Sidepart image (hover) in CSS Sprites image</b>	Coordinates in px (-left, -top)	Specifies the offset from the left and top margin of the CSS Sprites image for the right-side hover image.
<b>Position of Right Sidepart image in CSS Sprites image</b>	Coordinates in px (-left, -top)	Specifies the offset from the left and top margin of the CSS Sprites image for the right-side image.
<b>Position of Warning image in CSS Sprites image</b>	Coordinates in px (-left, -top)	Specifies the offset from the left and top margin of the CSS Sprites image for the warning image.

## Web Applications Hometab settings

Portal access connections include an optional hometab, which provides buttons and links for working with portal access and a URL bar. You can customize and configure the hometab with the following options.

Name	Value	Description
<b>Data entry background color</b>	A hex color code, for example, #123ABC. When you click the color value, two color choosers appear. One allows you to select a color from 40 common color blocks, and the other allows you to select any HTML color from a more sophisticated color wheel. You can also type the color value in as text.	Specifies the color of the background that appears behind the data entry fields on the hometab.
<b>Data entry left and right border color</b>	A hex color code, for example, #123ABC. When you click the color value, two color choosers appear. One allows you to select a color from 40 common color blocks, and the other allows you to select any	Specifies the color of the borders for the data entry area.

Name	Value	Description
	HTML color from a more sophisticated color wheel. You can also type the color value in as text.	
<b>Data entry text color</b>	A hex color code, for example, #123ABC. When you click the color value, two color choosers appear. One allows you to select a color from 40 common color blocks, and the other allows you to select any HTML color from a more sophisticated color wheel. You can also type the color value in as text.	Specifies the text color for data entry fields.
<b>Font size (px)</b>	pixel value (for example, 14px)	Specifies the font size on the hometab.
<b>Link color</b>	A hex color code, for example, #123ABC. When you click the color value, two color choosers appear. One allows you to select a color from 40 common color blocks, and the other allows you to select any HTML color from a more sophisticated color wheel. You can also type the color value in as text.	Specifies the link text color on the hometab.
<b>Link color (hover)</b>	A hex color code, for example, #123ABC. When you click the color value, two color choosers appear. One allows you to select a color from 40 common color blocks, and the other allows you to select any HTML color from a more sophisticated color wheel. You can also type the color value in as text.	Specifies the color for links when the mouse hovers over them.
<b>Position of Background image (hover) in CSS Sprites image</b>	coordinates in px (-left, -top)	Specifies the offset from the left and top margin of the CSS Sprites image for the background image that appears when the mouse hovers.
<b>Position of Background image in CSS Sprites image</b>	coordinates in px (-left, -top)	Specifies the offset from the left and top margin of the CSS Sprites image for the background image.
<b>Position of divider image in CSS Sprites image</b>	coordinates in px (-left, -top)	Specifies the offset from the left and top margin of the CSS Sprites image for the divider image.
<b>Position of home image in CSS Sprites image</b>	coordinates in px (-left, -top)	Specifies the offset from the left and top margin of the CSS Sprites image for the Home image.
<b>Position of Left Sidepart image in CSS Sprites image</b>	coordinates in px (-left, -top)	Specifies the offset from the left and top margin of the CSS Sprites image for the left side image.

Name	Value	Description
<b>Position of Logout image in CSS Sprites image</b>	coordinates in px (-left, -top)	Specifies the offset from the left and top margin of the CSS Sprites image for the logout image.
<b>Position of Open-In-New-Window image (hover) in CSS Sprites image</b>	coordinates in px (-left, -top)	Specifies the offset from the left and top margin of the CSS Sprites image for the "open in new window" image, when the mouse hovers over it.
<b>Position of Open-In-New-Window image in CSS Sprites image</b>	coordinates in px (-left, -top)	Specifies the offset from the left and top margin of the CSS Sprites image for the "open in new window" image.
<b>Position of Reduced toolbar image (hover) in CSS Sprites image</b>	coordinates in px (-left, -top)	Specifies the offset from the left and top margin of the CSS Sprites image for the minimized toolbar image, when the mouse hovers over it.
<b>Position of Reduced toolbar image in CSS Sprites image</b>	coordinates in px (-left, -top)	Specifies the offset from the left and top margin of the CSS Sprites image for the minimized toolbar image.
<b>Position of Right Sidepart image in CSS Sprites image</b>	coordinates in px (-left, -top)	Specifies the offset from the left and top margin of the CSS Sprites image for the right side image.
<b>Position of Shrink image (hover) in CSS Sprites image</b>	coordinates in px (-left, -top)	Specifies the offset from the left and top margin of the CSS Sprites image for the shrink image, when the mouse hovers over it.
<b>Position of Shrink image in CSS Sprites image</b>	coordinates in px (-left, -top)	Specifies the offset from the left and top margin of the CSS Sprites image for the shrink image.
<b>Position of Transparent background image in CSS Sprites image</b>	coordinates in px (-left, -top)	Specifies the offset from the left and top margin of the CSS Sprites image for the warning image.
<b>Position of Transparent sidepart image in CSS Sprites image</b>	coordinates in px (-left, -top)	Specifies the offset from the left and top margin of the CSS Sprites image for the transparent side image.
<b>Set of elements to be displayed</b>	comma-separated list	<p>This is a comma-separated list of all the elements displayed on the hometab. The hometab is arranged in the order in which you specify these elements. Elements can be used more than once. The default specification is <code>shrink,divider,home,url,logout</code>.</p> <p>You can specify the following elements for the home tab:</p> <p><b>shrink</b> Specifies the hometab shrink element.</p>

Name	Value	Description
		<p><b>divider</b> Specifies a hometab field separator element.</p> <p><b>url</b> Specifies the hometab URL box element.</p> <p><b>home</b> Specifies the home link and text element.</p> <p><b>logout</b> Specifies the logout link and image element.</p>

## Full webtop settings

You can configure the appearance of the full webtop with these settings.

Name	Value	Description
<b>Header message icon</b>	Image	Specifies the image for the header message icon on the full webtop. To change the image, click the image popout button at the right of the field, then click <b>Replace</b> . Select an image file to replace the image file. Note that you can add files to the Customization tool in the image browser.
<b>Help window logo</b>	Image	Specifies the image that a webtop user can click to open the webtop online help. To change the image, click the image popout button at the right of the field, then click <b>Replace</b> . Select an image file to replace the image file. Note that you can add files to the Customization tool in the image browser.
<b>Toolbar - go icon</b>	Image	Specifies the image that a user clicks to go to a site from the webtop toolbar. To change the image, click the image popout button at the right of the field, then click <b>Replace</b> . Select an image file to replace the image file. Note that you can add files to the Customization tool in the image browser.
<b>Toolbar - help icon</b>	Image	Specifies the image that a user clicks to open the help from the webtop toolbar. To change the image, click the image popout button at the right of the field, then click <b>Replace</b> . Select an image file to replace the image file. Note that you can add files to the Customization tool in the image browser.

## Full webtop popup window setting

You can add the company logo to the full webtop with this setting.

Name	Value	Description
<b>Company logo</b>	Image	Specifies the image for the company logo on the full webtop. To change the image, click the image popout button at the right of the field, then

Name	Value	Description
		click <b>Replace</b> . Select an image file to replace the image file. Note that you can add files to the Customization tool in the image browser.

### Advanced customization image settings

You set advanced customization images to make images you add through the image browser available to your advanced customization pages.

The **Advanced Customization Images** properties pages allow you to set advanced customization images from the image browser to associate with advanced customization image names. You can then use the image name to add an image to an advanced customization page.

To select an image from the image browser to associate with an image for advanced customization, click the button next to the current (or default) image name, and select **Replace**.

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# Chapter 6

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## Personalizing Images for Resources in Advanced View

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- *What is resource image personalization?*
  - *Personalizing resource images*
-

## What is resource image personalization?

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With image personalization, you can change the image displayed for a resource on the webtop.

## Personalizing resource images

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Personalize webtop resource images to provide customized icons on the full webtop for resources.

1. On the Main tab, click **Access Policy > Customization**.  
The Customization tool appears, in Basic Customization view.
2. From the View list, select **Advanced Customization**.  
The Customization tool switches to Advanced (tree) view.
3. In Advanced Customization view, from the **Form Factor** menu at the top of the Customization tool, select **Full/Mobile Browser**.
4. Click the **Branding** tab.
5. Select the resource type folder for **App Tunnels**, **Network Access**, **Remote Desktops**, **Portal Access**, or **Webtop Links**.
6. Select the resource name.
7. At the top right of the customization settings pane, select the **Language** for which to customize the caption and description for full and mobile browsers.
8. In the **Image** area, click the icon at the right of the field to show the current icon, then click **Replace** and select a new image.
9. After you customize settings, click the **Save** icon at the top of the Customization tool.

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# Chapter

# 7

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## Localizing Messages and Images in Advanced View

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- *What is full and mobile browser localization?*
- *Localizing messages for common access profile settings*
- *Localizing layout and content of the logon page*
- *Localizing layout and content of logout pages*
- *Localizing error messages*
- *Localizing logon pages*
- *Localizing decision pages*
- *Localizing message box pages*
- *Localizing ending pages*

## What is full and mobile browser localization?

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With localization, you can change the text and messages for web browsers and mobile clients for any language defined in an access profile. The Customization tool provides a tree view that you can use to navigate through the hierarchy of access profile items, in order to localize messages.

## Localizing messages for common access profile settings

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Localize common access profile pages to configure headers, footers, and standard warnings and text messages for a specific language.

1. On the Main tab, click **Access Policy > Customization**.  
The Customization tool appears, in Basic Customization view.
2. From the View list, select **Advanced Customization**.  
The Customization tool switches to Advanced (tree) view.
3. In Advanced Customization view, from the **Form Factor** menu at the top of the Customization tool, select **Full/Mobile Browser**.
4. Expand the folders in the Customization tool navigation pane to select page header settings, page footer settings, and other settings: **Customization Settings > Access Profiles > name\_of\_access\_profile > Common**.
5. At the top right-side of the customization settings pane, select the **Language** for which to customize localization messages for full and mobile browsers.
6. Click **Page Header Settings** to provide a customized disconnection message.
7. Click **Page Footer Settings** to provide a customized footer for access profile pages.
8. Click **Other Settings** to configure the following settings.

<b>Option</b>	<b>Description</b>
<b>JavaScript<sup>®</sup> disabled warning</b>	Specifies the warning when JavaScript is not enabled in the browser.
<b>New session link</b>	Specifies the link text to start a new session.
<b>New session text</b>	Specifies the text that appears before the new session link.

9. After you customize settings, click the **Save** icon at the top of the Customization tool.

## Localizing layout and content of the logon page

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Customize the layout and content of components that appear on the logon page when the access policy is starting by customizing the framework pages.

***Note:** Use an HTML editor to edit the HTML code for the framework installation. The code appears unformatted and without line breaks in the Customization tool.*

1. On the Main tab, click **Access Policy > Customization**.

The Customization tool appears, in Basic Customization view.

2. From the View list, select **Advanced Customization**.  
The Customization tool switches to Advanced (tree) view.
3. In Advanced Customization view, from the **Form Factor** menu at the top of the Customization tool, select **Full/Mobile Browser**.
4. Expand the folders in the Customization tool navigation pane to select the framework installation item: **Customization Settings > Access Profiles > *name\_of\_access\_profile* > Framework Installation**.
5. At the top right of the customization settings pane, select the **Language** for which to customize localization messages for full and mobile browsers.
6. Customize the settings for the logon page elements.
7. After you customize settings, click the **Save** icon at the top of the Customization tool.

## Framework installation settings

You can customize the following settings for general page style with the Customization tool.

Name	Value	Description
<b>ActiveX install options screen</b>	Formatted HTML text	Specifies the page text and links that prompt a user to install a new ActiveX® browser component. This screen appears for Windows® Internet Explorer® users only.
<b>Allow browser plugin install screen</b>	Formatted HTML text	Specifies the page text and links displayed when the user's browser does not currently allow software installation. This page contains information about how to enable software installation, and links to continue to install plug-ins or to continue without installing the browser plug-ins.
<b>Allow browser plugin install screen (Linux)</b>	Formatted HTML text	Specifies the page text and links displayed when the user's browser does not currently allow software installation. This page contains information about how to enable software installation, and links for continuing to install plug-ins or to continue without installing the browser plug-ins. This screen appears for Linux® operating systems and browsers.
<b>Browser plugin install with manual install options screen</b>	Formatted HTML text	Specifies the page text and links that prompt a user to install a new browser plug-in component. This screen provides manual download and installation options. This screen appears for most operating systems and browsers.
<b>Browser plug-in install with manual install options screen (Linux)</b>	Formatted HTML text	Specifies the page text and links that prompt a user to install a new browser plug-in component. This screen provides manual download and installation options. This screen appears for Linux operating systems and browsers.
<b>Java applet install failure screen</b>	Formatted HTML text	Specifies the page text and links that appear when the installation of software with a Java™ applet fails. This page allows the user options to restart the session, download and manually install the software, or continue without installing software. This page appears only on non-Windows systems.
<b>Java applet install screen</b>	Formatted HTML text	Specifies the text that appears on a page with a Java applet to install a new browser plugin. This page appears only on non-Windows systems. Java applet install started screen on Safari® browser specifies the page text and links that appear

Name	Value	Description
		when the Java applet is installing software. This page appears only on Macintosh® systems with the Safari web browser.
<b>Java applet install started screen</b>	Formatted HTML text	Specifies the page text and links that appear when the Java applet is installing software. This page appears only on non-Windows systems.

## Endpoint security settings

You can customize the following settings for endpoint security messages that appear in web browsers and on mobile devices with the Customization tool.

Name	Value	Description
<b>Antivirus check message</b>	Text	Specifies the message displayed while the antivirus check action is checking the system.
<b>Cache and session control ActiveX loading message</b>	Text	Specifies the message displayed when the cache and session control ActiveX® control is loading and the user may be prompted to allow cache and session control installation.
<b>Cache and session control ActiveX missing message</b>	Text	Specifies the text displayed when the client requires ActiveX to start the cache and session control plug-in, and ActiveX is not available or enabled.
<b>Cache and session control continue link</b>	Text	Specifies the link text that the user clicks to continue when the cache and session control plug-in cannot load.
<b>Cache and session control blocked popup message</b>	Text	Specifies the message displayed when a popup blocker is enabled. The message includes information on how to allow popups from the BIG-IP® device. Note: We recommend that you use an HTML editor to edit the HTML code for this box. The code appears unformatted and without line breaks in the box.
<b>Cache and session control failure message</b>	Text	Specifies the message displayed when the cache and session control plug-in fails to start. The message includes information on possible causes. Note: We recommend that you use an HTML editor to edit the HTML code for this box. The code appears unformatted and without line breaks in the box.
<b>Cache and session control loading message</b>	Text	Specifies the text displayed while the cache and session control plug-in starts. Note: We recommend that you use an HTML editor to edit the HTML code for this box. The code appears unformatted and without line breaks in the box.
<b>Checking client message</b>	Text	Specifies the message displayed when the system is checking the client for an unspecified action.
<b>Continue link</b>	Text	Specifies the link text that the user clicks to continue after opening a new browser window.
<b>Continue without endpoint inspection message</b>	Text	Specifies the messages displayed when client-side security checks fail. You can specify link text to cancel and link text to continue. The continue link allows the client to continue on the fallback branch.

Name	Value	Description
<b>Downloading message (appended to other messages)</b>	Text	Specifies the message displayed while the client is downloading software components.
<b>File check message</b>	Text	Specifies the message displayed while the file check action is checking the system.
<b>Firewall check message</b>	Text	Specifies the message displayed while the firewall check action is checking the system.
<b>Installing message (appended to other messages)</b>	Text	Specifies the message displayed while the client is installing software.
<b>Machine check info message</b>	Text	Specifies the message displayed when the client is collecting machine info for the machine info check.
<b>New browser window required message</b>	Text	Specifies the message displayed when browser settings have changed, and the user must open a new browser window to continue.
<b>Process check message</b>	Text	Specifies the message displayed while the process check action is checking the system.
<b>Virtual keyboard hide keyboard link</b>	Text	Specifies the link text that the user clicks to hide the virtual keyboard.
<b>Virtual keyboard label</b>	Text	Specifies the label for the virtual keyboard.
<b>Windows Group Policy action message</b>	Text	Specifies the message displayed while the Windows® group policy action is configuring the system.
<b>Windows Info check message</b>	Text	Specifies the message displayed while the Windows information check action is checking the system.
<b>Windows machine certificate check message</b>	Text	Specifies the message displayed while the Windows machine certificate check action is checking the system.
<b>Windows Protected Workspace action message</b>	Text	Specifies the message displayed while the Protected Workspace action is starting the protected workspace.
<b>Windows Protected Workspace continue link</b>	Text	Specifies the link text specified that the user can click to continue without starting protected workspace.
<b>Windows Protected Workspace continuing: extended message</b>	Text	Specifies the message displayed when the protected workspace starts, and the system requires some time to display the protected workspace.
<b>Windows Protected Workspace logon: short message</b>	Text	Specifies the message displayed on the client when protected workspace resumes the logon procedure after starting.
<b>Windows Protected Workspace started: close browser message</b>	Text	Specifies the message displayed when protected workspace has successfully started,
<b>Windows Registry check message</b>	Text	Specifies the message displayed while the registry check action is checking the system.

## Localizing layout and content of logout pages

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Customize the layout and content of components that appear on logout pages when the access policy or user ends a session.

1. On the Main tab, click **Access Policy > Customization**.  
The Customization tool appears, in Basic Customization view.
2. From the View list, select **Advanced Customization**.  
The Customization tool switches to Advanced (tree) view.
3. In Advanced Customization view, from the **Form Factor** menu at the top of the Customization tool, select **Full/Mobile Browser**.
4. Expand the folders in the Customization tool navigation pane to select the framework installation item: **Customization Settings > Access Profiles > *name\_of\_access\_profile* > Logout > General**.
5. At the top right of the customization settings pane, select the **Language** for which to customize localization messages for full and mobile browsers.
6. Customize the settings for the logout elements.
7. After you customize settings, click the **Save** icon at the top of the Customization tool.

### Logout component settings

You can customize the following settings for logout messages that appear in web browsers and on mobile devices with the Customization tool.

Name	Value	Description
<b>Access not found page reject message</b>	Text	Specifies the message displayed when the access policy cannot be completed correctly.
<b>Access not found page title</b>	Text	Specifies the title for the page displayed when the access policy cannot be completed correctly.
<b>ACL denied page reject message</b>	Text	Specifies the message displayed when the user attempts to access a page to which access is specifically denied by an access control list.
<b>ACL denied page return link message</b>	Text	Specifies the link text on the ACL Denied page that the user can click to return to the previous page.
<b>ACL denied page title</b>	Text	Specifies the title text on the ACL Denied page.
Error message	Text	Provides a more specific error message that follows the error title, which indicates that a problem may have occurred during access policy evaluation.
<b>Error title</b>	Text	Specifies text that indicates that the session could not start.
<b>New session link</b>	Text	Specifies the text label for the hypertext link to start a new session, such as click here. This link follows the New session text.
<b>New session text</b>	Text	Specifies text that precedes the link a user clicks to start a new session.
<b>Session expired message</b>	Text	Specifies the message that appears when the user session expires due to inactivity.
<b>Session ID title</b>	Text	Specifies the text that precedes the session number when an error occurs.
<b>Success message</b>	Text	Specifies the text displayed when the user logs out successfully.
<b>Success title</b>	Text	Specifies the text displayed when a session is finished.

Name	Value	Description
<b>Thank you message</b>	Text	Specifies a thank you message displayed for network access users after logout.

## Localizing error messages

Customize the error messages that appear when the client or browser encounters errors while processing the login page or running access policy sessions.

1. On the Main tab, click **Access Policy > Customization**.  
The Customization tool appears, in Basic Customization view.
2. From the View list, select **Advanced Customization**.  
The Customization tool switches to Advanced (tree) view.
3. In Advanced Customization view, from the **Form Factor** menu at the top of the Customization tool, select **Full/Mobile Browser**.
4. Expand the folders in the Customization tool navigation pane to select the framework installation item: **Customization Settings > Access Profiles > *name\_of\_access\_profile* > Error Messages > *error\_message\_category***.
5. At the top right-side of the customization settings pane, select the **Language** for which to customize error messages for full and mobile browsers.
6. Customize the settings for the error messages.
7. After you customize settings, click the **Save** icon at the top of the Customization tool.

## General error settings

You can customize the following settings for general error messages that appear in web browsers and on mobile devices with the Customization tool.

Name	Value	Description
<b>Access denied by ACL</b>	Text	Specifies the error displayed when an ACL entry denies access.
<b>Client IP address changed</b>	Text	Specifies the error displayed if the client IP address changes while the session is in progress.
<b>Invalid Network Access resource</b>	Text	Specifies the error displayed when the access profile cannot find a valid Network Access resource.
<b>Invalid Session ID</b>	Text	Specifies the error displayed when the Session ID is not correct. This may occur because the session has timed out.
<b>Request error</b>	Text	Specifies the error displayed when there is a malformed request or there is another problem with a request.
<b>Server in maintenance mode</b>	Text	Specifies the error displayed when a session cannot start because the server is performing maintenance.
<b>Session ID is not found</b>	Text	Specifies the error displayed when cookies are disabled, and this causes the session ID to be unavailable in the request.

Name	Value	Description
<b>Stateful failover couldn't be supported</b>	Text	Specifies the error displayed when the access policy has changed and due to failover issues, the admin must log in again.
<b>System is not licensed</b>	Text	Specifies the error displayed when a session cannot start because the system is not licensed.
<b>Terminated Session</b>	Text	Specifies the error displayed when the session is terminated by the server.
<b>Unsupported User-Agent</b>	Text	Specifies the error displayed when the browser user agent is not supported in the policy.
<b>User limit reached</b>	Text	Specifies the error displayed when the resource cannot be assigned because the limit on the number of sessions has been reached.

## AAA error settings

You can customize the following settings for AAA error messages that appear in web browsers and on mobile devices with the Customization tool.

Name	Value	Description
<b>AD domain password change failure</b>	Text	Specifies the text displayed when the attempt to change the Active Directory password failed.
<b>AD domain password change failure with extended error</b>	Text	Specifies the text displayed when the attempt to change the Active Directory password failed, and includes the error message from the Active Directory component.
<b>AD domain password expired</b>	Text	Specifies the text displayed when the Active Directory domain password has expired.
<b>AD domain password expired with extended error</b>	Text	Specifies the text displayed when the Active Directory password has expired, and includes the error message from the Active Directory component.
<b>Incorrect AD username or password with extended error</b>	Text	Specifies the text displayed when the Active Directory user name or password is incorrect, and includes the error message from the Active Directory component.
<b>Incorrect LDAP username or password with extended error</b>	Text	Specifies the text displayed when the LDAP user name or password is incorrect, and includes the error message from the LDAP component.
<b>Incorrect OAM username or password with extended error</b>	Text	Specifies the text displayed when the OAM user name or password is incorrect, and includes the error message from the OAM component.
<b>Incorrect RADIUS username or password with extended error</b>	Text	Specifies the text displayed when the RADIUS user name or password is incorrect, and includes the error message from the RADIUS component.
<b>Incorrect username or password</b>	Text	Specifies the text displayed when the user name or password is incorrect.
<b>OAM authentication error</b>	Text	Specifies the text displayed when there is an OAM authentication error.

Name	Value	Description
<b>OAM authorization error</b>	Text	Specifies the text displayed when there is an OAM authorization error.
<b>OAM internal error</b>	Text	Specifies the text displayed when there is an invalid setup for the OAM server.
<b>OAM SDK initialization error</b>	Text	Specifies the text displayed when there is an OAM error related to the F5 webgate and OAM SDK.
<b>RADIUS challenge failure</b>	Text	Specifies the text displayed when a RADIUS challenge fails.
<b>RADIUS challenge failure with extended error</b>	Text	Specifies the text displayed when a RADIUS challenge fails, and includes the error message from the RADIUS component.
<b>SecurID logon failure with retry</b>	Text	Specifies the text displayed when the RSA SecurID logon or password is incorrect.
<b>SecurID logon failure with retry with extended error</b>	Text	Specifies the text displayed when the RSA SecurID logon or password is incorrect, and includes the error message from the SecurID component.

## Installation error settings

You can customize the following settings for installation error messages that appear in web browsers and on mobile devices with the Customization tool.

Name	Value	Description
<b>ActiveX is not allowed or unsupported</b>	Text	Specifies the error displayed when the access policy attempts to load an ActiveX® control in Microsoft® Internet Explorer® and ActiveX is not enabled.
<b>Installation failure</b>	Text	Specifies the error displayed when installation of a browser component fails.

## Resource error settings

You can customize the following settings for resource error messages that appear in web browsers and on mobile devices with the Customization tool.

Name	Value	Description
<b>ACL does not exist</b>	Text	Specifies the error text displayed when the assigned ACL does not exist.
<b>Inconsistent host replacement string</b>	Text	Specifies the error text displayed when portal access resources configured in Minimal Patching mode contain inconsistent host replace strings.
<b>Incorrect resource assigned (Network Access)</b>	Text	Specifies the error text displayed when a resource assign action is configured to assign a portal access webtop with a network access resource. Webtop and resource types must match.

Name	Value	Description
<b>Incorrect resource assigned (Portal Access)</b>	Text	Specifies the error text displayed when a resource assign action is configured to assign a network access webtop with a portal access resource.
<b>Invalid Dynamic ACL Assignment</b>	Text	Specifies the error text displayed when the dynamic ACL is incorrectly assigned or configured.
<b>Invalid host for App Tunnel resource</b>	Text	Specifies the error text displayed when a host that the app tunnel attempts to start a connection to does not respond correctly.
<b>Invalid host for Remote Desktop resource</b>	Text	Specifies the error text displayed when the host that a remote desktop resource attempts to start a connection to does not respond correctly.
<b>Invalid Portal Access start URI</b>	Text	Specifies the error text displayed when the portal access webtop has an invalid start URI.
<b>Invalid Static ACL assignment</b>	Text	Specifies the error text displayed when a static ACL is not configured correctly.
<b>Missing Network Access resource</b>	Text	Specifies the error text displayed when a network access webtop is configured with no network access resource. Webtop and resource types must match.
<b>More than one Network Access resource</b>	Text	Specifies the error text displayed when more than one network access resource is assigned to an access policy branch.
<b>Network Access and Portal Access resources assigned</b>	Text	Specifies the error text displayed when both network access and portal access resources are assigned to an access policy branch.
<b>Portal Access resources have inconsistent patching methods</b>	Text	Specifies the error text displayed when multiple portal access are assigned to an access policy branch, with different patching methods. All portal access resources assigned to an access policy branch must use the same patching method.
<b>Resource does not exist</b>	Text	Specifies the error text displayed when the assigned resource does not exist.
<b>Webtop does not exist</b>	Text	Specifies the error text displayed when the assigned webtop does not exist.
<b>Webtop required</b>	Text	Specifies the error text displayed when a webtop is required, but not assigned.

### Dynamic configuration error settings

You can customize the following settings for dynamic configuration error messages that appear in web browsers and on mobile devices with the Customization tool.

Name	Value	Description
<b>Invalid Dynamic ACL entries</b>	Text	Specifies the text displayed when a dynamic ACL contains invalid entries.

## Other configuration error settings

You can customize the following settings for other errors that appear in web browsers and on mobile devices with the Customization tool.

Name	Value	Description
<b>Unknown error</b>	Text	Specifies the text displayed when an unknown error occurs.

## Localizing logon pages

Customize the messages that appear for a specific logon page or HTTP 401 response page in an access policy.

1. On the Main tab, click **Access Policy > Customization**.  
The Customization tool appears, in Basic Customization view.
2. From the View list, select **Advanced Customization**.  
The Customization tool switches to Advanced (tree) view.
3. In Advanced Customization view, from the **Form Factor** menu at the top of the Customization tool, select **Full/Mobile Browser**.
4. Expand the folders in the Customization tool navigation pane to select the logon page: **Customization Settings > Access Profiles > name\_of\_access\_profile > Access Policy > Logon Pages**.
5. Select the folder for the logon page or HTTP 401 response action.
6. Select the **General** settings.
7. At the top right of the customization settings pane, select the **Language** for which to customize logon pages.
8. Customize the settings for the logon pages.
9. After you customize settings, click the **Save** icon at the top of the Customization tool.

## Logon page settings

You can customize the following settings for logon pages that appear in web browsers and on mobile devices with the Customization tool.

Name	Value	Description
<b>Form Header Text</b>	Text	Specifies the text that appears at the top of the logon box.
<b>HTTP 401 Response</b>	Text	Specifies the text displayed when an HTTP 401 authentication error occurs.
<b>Logon Button</b>	Text	Specifies the text that appears on the logon button, which a user clicks to post the defined logon agents.
<b>Logon Page Input Field # (1-5)</b>	Text	These fields specify the text that is displayed on the logon page for each of the logon page agents, defined in the Logon Page Agent screen area.

Name	Value	Description
<b>New Password Prompt</b>	Text	Specifies the prompt displayed when a new Active Directory password is requested.
<b>Password and Password Verification do not Match</b>	Text	Specifies the prompt displayed to confirm the new password when a new Active Directory password is requested.
<b>Save Password Checkbox</b>	Text	Specifies the text that appears adjacent to the check box that allows users to save their passwords in the logon form. This field is used only in the secure access client, and not in the web client.
<b>Verify Password Prompt</b>	Text	Specifies the prompt displayed to confirm the new password when a new Active Directory password is requested.

## Localizing decision pages

Customize the messages that appear for decision pages.

1. On the Main tab, click **Access Policy > Customization**.  
The Customization tool appears, in Basic Customization view.
2. From the View list, select **Advanced Customization**.  
The Customization tool switches to Advanced (tree) view.
3. In Advanced Customization view, from the **Form Factor** menu at the top of the Customization tool, select **Full/Mobile Browser**.
4. Expand the folders in the Customization tool navigation pane to select the decision page: **Customization Settings > Access Profiles > name\_of\_access\_profile > Access Policy > Decision Pages**.
5. Select the folder for the decision box page.
6. Select the **General** or **Advanced Customization Images** settings.
7. At the top right of the customization settings pane, select the **Language** for which to customize decision pages.
8. Customize the settings for the decision pages.
9. After you customize settings, click the **Save** icon at the top of the Customization tool.

## General decision page settings

You can customize the following settings for decision pages that appear in web browsers and on mobile devices with the Customization tool.

Name	Value	Description
<b>Field 1 Image</b>	Image	Specifies the image that appears in the first option field on the decision page. Click the icon at the right of the field to view the image. Click <b>Replace</b> to change the image.
<b>Field 2 Image</b>	Image	Specifies the image that appears in the second option field on the decision page. Click the icon at the right of the field to view the image. Click <b>Replace</b> to change the image.

## Advanced customization image settings

You set advanced customization images to make images you add through the image browser available to your advanced customization pages.

The **Advanced Customization Images** properties pages allow you to set advanced customization images from the image browser to associate with advanced customization image names. You can then use the image name to add an image to an advanced customization page.

To select an image from the image browser to associate with an image for advanced customization, click the button next to the current (or default) image name, and select **Replace**.

## Localizing message box pages

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Customize the message boxes that appear for message box pages.

1. On the Main tab, click **Access Policy > Customization**.  
The Customization tool appears, in Basic Customization view.
2. From the View list, select **Advanced Customization**.  
The Customization tool switches to Advanced (tree) view.
3. In Advanced Customization view, from the **Form Factor** menu at the top of the Customization tool, select **Full/Mobile Browser**.
4. Expand the folders in the Customization tool navigation pane to select the message box page:  
**Customization Settings > Access Profiles > name\_of\_access\_profile > Access Policy > Message Pages**.
5. Select the folder for the message box page.
6. Select **Advanced Customization Images** settings.
7. At the top right of the customization settings pane, select the **Language** for which to customize message pages.
8. Customize the settings for the message box pages.
9. After you customize settings, click the **Save** icon at the top of the Customization tool.

## Advanced customization image settings

You set advanced customization images to make images you add through the image browser available to your advanced customization pages.

The **Advanced Customization Images** properties pages allow you to set advanced customization images from the image browser to associate with advanced customization image names. You can then use the image name to add an image to an advanced customization page.

To select an image from the image browser to associate with an image for advanced customization, click the button next to the current (or default) image name, and select **Replace**.

### Localizing ending pages

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Customize the ending pages that appear in access policies.

1. On the Main tab, click **Access Policy > Customization**.  
The Customization tool appears, in Basic Customization view.
2. From the View list, select **Advanced Customization**.  
The Customization tool switches to Advanced (tree) view.
3. In Advanced Customization view, from the **Form Factor** menu at the top of the Customization tool, select **Full/Mobile Browser**.
4. Expand the folders in the Customization tool navigation pane to select the ending: **Customization Settings > Access Profiles > *name\_of\_access\_profile* > Access Policy > Ending Pages**.
5. Select the folder for the message box page.
6. Select **Advanced Customization Images** settings.
7. At the top right of the customization settings pane, select the **Language** for which to customize ending pages.
8. Customize the settings for the ending pages.
9. After you customize settings, click the **Save** icon at the top of the Customization tool.

### Advanced customization image settings

You set advanced customization images to make images you add through the image browser available to your advanced customization pages.

The **Advanced Customization Images** properties pages allow you to set advanced customization images from the image browser to associate with advanced customization image names. You can then use the image name to add an image to an advanced customization page.

To select an image from the image browser to associate with an image for advanced customization, click the button next to the current (or default) image name, and select **Replace**.

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# Chapter

# 8

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## Localizing Webtops in Advanced View

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- *What is webtop localization?*
  - *Localizing webtops*
-

## What is webtop localization?

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You can customize webtop settings, including the messages displayed when starting and closing the connection, and any error messages, for any language supported on the server. A webtop must be assigned to an access profile to see and customize the webtop for the languages assigned to the access profile. If you customize a webtop that is not assigned to any access profile, you can customize the default set of languages only.

## Localizing webtops

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Localize webtops to configure images, text, and layout for a webtop in a specific language.

1. On the Main tab, click **Access Policy > Customization**.  
The Customization tool appears, in Basic Customization view.
2. From the View list, select **Advanced Customization**.  
The Customization tool switches to Advanced (tree) view.
3. In Advanced Customization view, from the **Form Factor** menu at the top of the Customization tool, select **Full/Mobile Browser**.
4. Expand the folders in the Customization tool navigation pane to select page header settings, page footer settings, and other settings: **Customization Settings > Access Profiles > name\_of\_access\_profile > Common**.
5. At the top right of the customization settings pane, select the **Language** for which to customize localization messages for full and mobile browsers.
6. Click **Page Header Settings** to provide a customized disconnection message.
7. Click **Page Footer Settings** to provide a customized footer for access profile pages.
8. Click **Other Settings** to configure the following settings.

Option	Description
<b>JavaScript disabled warning</b>	Specifies the warning when JavaScript is not enabled in the browser.
<b>New session link</b>	Specifies the link text to start a new session.
<b>New session text</b>	Specifies the text that appears before the new session link.

9. After you customize settings, click the **Save** icon at the top of the Customization tool.

## Webtop form and message settings

You can customize the following settings for form and message settings that appear on webtops, in web browsers and on mobile devices, with the Customization tool.

Name	Value	Description
<b>App Tunnels conflict with Network Access message</b>	Text	Specifies the message that appears when an application tunnel is open and the user attempts to start a network access tunnel.

Name	Value	Description
<b>Connected message</b>	Text	Specifies the message displayed on the login screen when the client is connected.
<b>Connecting message</b>	Text	Specifies the message displayed on the login screen when the client is connecting.
<b>Connection already established error message</b>	Text	Specifies the message displayed when a connection is already established.
<b>Connection closed by server error message</b>	Text	Specifies the error message displayed when an error occurs on the server, and causes the session to fail. Check the log files for more specific information.
<b>Connection dropped error message</b>	Text	Specifies the message displayed when an error occurs, and the connection is dropped. Check the log files for more specific information.
<b>Connection failed to start error message</b>	Text	Specifies the message displayed when the connection cannot start. Check the log files for more specific information.
<b>Connection to server could not start error message</b>	Text	Specifies the error message displayed when the client cannot make a connection to the server. Check the log files for more specific information.
<b>Disconnected due to configuration error message</b>	Text	Specifies the error displayed when a configuration error causes the session to stop and the client to be disconnected.
<b>Disconnected message</b>	Text	Specifies the message displayed on the login screen when the client is disconnected.
<b>Downloading progress bar (caption)</b>	Text	Specifies the caption displayed above the progress bar when client components are downloading.
<b>F5 plug-in not installed or incompatible plug-in error message</b>	Text	Specifies the error message displayed when the F5 plug-in is not installed or is incompatible with the current server. This error occurs on Macintosh® and Linux clients only.
<b>Failed message</b>	Text	Specifies the message displayed on the login screen when the connection fails.
<b>Initialization message</b>	Text	Specifies the message displayed on the login screen when the login sequence is initializing.
<b>Installation error pppd daemon not found in /usr/sbin directory (mac/linux)</b>	Text	Specifies the error message displayed when the pppd daemon cannot start. This error occurs on Macintosh and Linux clients only.
<b>Installation message</b>	Text	Specifies the message displayed on the login screen when the login sequence is installing software.
<b>Loading message</b>	Text	Specifies the message displayed on the login screen when the login sequence is starting installed software.
<b>Network Access client internal error message</b>	Text	Specifies the message displayed when an internal client error occurs and causes the network access session to fail. Check the log files for more specific information.
<b>Network Access conflict with App Tunnels message</b>	Text	Specifies the message that appears when a network access tunnel is open and the user attempts to start an app tunnel.
<b>Plugin installation incomplete error message</b>	Text	Specifies the message displayed when the F5 plugin is not installed correctly. This error occurs on Linux clients only.

Name	Value	Description
<b>pppd daemon did not start error message (mac/linux)</b>	Text	Specifies the error message displayed when the pppd daemon cannot start. This error occurs on Macintosh and Linux clients only.
<b>Queued message</b>	Text	Specifies the message displayed on the login screen when the client is queued to make a connection.
<b>Reconnecting message</b>	Text	Specifies the message displayed on the login screen when the client is reconnecting.
<b>Request local credentials during linux installation</b>	Text	Specifies the code that creates a local credentials request screen. This is required for Linux systems only. We recommend that you edit this code in an HTML editor to make the layout easier to view.  <i>Note: Do not add manual line breaks to the webtop form; this causes errors. Use the &lt;br&gt; tag to add a line break to the code.</i>
<b>Routing table change caused disconnect error message</b>	Text	Specifies the error displayed when a change to the client routing table causes the session to stop and the client to be disconnected.
<b>Secure connection stopped message</b>	Text	Specifies the message displayed when the secure connection is stopped by the client. Check the log files for more specific information.
<b>Toolbar text</b>	Text	Specifies the text that appears in the webtop toolbar.

## BIG-IP Edge Client webtop settings

You can customize the following settings for the BIG-IP® Edge Client® webtop, in web browsers and on mobile devices, with the Customization tool.

Name	Value	Description
<b>Connection Established notification</b>	Text	Specifies the message that appears in the BIG-IP Edge Client when a connection is established.
<b>Disconnected due to configuration error notification</b>	Text	Specifies the message displayed in the BIG-IP Edge Client when the connection is closed due to a configuration error.
<b>New BIG-IP Edge Client available message</b>	Text	Specifies the message displayed during connection, when a newer version of the BIG-IP Edge Client is available from the server.
<b>Routing table change causes disconnect notification</b>	Text	Specifies the message displayed when a change in the routing table on the client machine causes the client to disconnect.

## Settings for showing and hiding information on webtops

You can customize the following show and hide settings for the webtop, in web browsers and on mobile devices, with the Customization tool.

Name	Value	Description
<b>Disable logging link</b>	Text	Specifies the link text to disable logging.
<b>Enable logging link</b>	Text	Specifies the link text to enable logging.
<b>Hide label in table caption link</b>	Text	Specifies the text on the webtop screen that the user clicks to hide a table caption.
<b>Show IP address configuration link</b>	Text	Specifies the text on the webtop screen that the user clicks to show the IP address configuration.
<b>Show label in table caption link</b>	Text	Specifies the text on the webtop screen that the user clicks to show a table caption.
<b>Show log file link</b>	Text	Specifies the text on the secure access screen that the user clicks to show the log file.
<b>Show routing table link</b>	Text	Specifies the text on the webtop screen that the user clicks to show the routing table.
<b>Status element</b>	Text	Specifies the text on the webtop screen that heads the status section.

## Webtop logout and relaunch settings

You can customize the following settings for logout and relaunch messages that appear on webtops, in web browsers and on mobile devices, with the Customization tool.

Name	Value	Description
<b>Logout link</b>	Text	Specifies the link text on the webtop screen that the user clicks to log out.
<b>Relaunch applications link</b>	Text	Specifies the link text on the webtop screen that the user clicks to restart the applications that are defined in the network access launch applications section.

## Webtop activity section setting

You can customize the following setting for the activity section.

Name	Value	Description
<b>Activity section caption</b>	Text	Specifies the caption for the section that shows client and server activity.

## Webtop new session settings

You can customize the following settings for new sessions on the webtop.

Name	Value	Description
<b>New session link</b>	Text	Specifies the link text on the webtop screen that the user clicks to start a new session.
<b>New session text</b>	Text	Specifies the text that precedes the new session link.

## Webtop web applications session timeout settings

You can localize the timeout settings for portal access applications that are displayed on the webtop.

Name	Value	Description
<b>Header message (idle timeout)</b>	Text	Specifies the message displayed when the idle timeout is reached for a portal access session.
<b>Header message (maximum timeout)</b>	Text	Specifies the message displayed when the maximum session time timeout is reached for a portal access session.
<b>Postfix text for 'remaining time' message (idle timeout)</b>	Text	Specifies the text after the seconds display in the remaining time warning for a portal access idle timeout.
<b>Postfix text for 'remaining time' message (maximum timeout)</b>	Text	Specifies the text after the seconds display in the remaining time warning for a portal access maximum session time timeout.
<b>Postfix text for seconds in 'remaining time' message (idle timeout)</b>	Text	Specifies the text after the number of seconds remaining when an idle timeout is reached.
<b>Postfix text for seconds in 'remaining time' message (maximum timeout)</b>	Text	Specifies the text after the number of seconds remaining when a maximum session time timeout is reached.
<b>Prefix text for 'remaining time' message (idle timeout)</b>	Text	Specifies the message displayed before the seconds and postfix message display in the remaining time warning for a portal access idle timeout.
<b>Prefix text for 'remaining time' message (maximum timeout)</b>	Text	Specifies the text before the seconds and postfix message display in the remaining time warning for a portal access maximum session time timeout.
<b>Prefix text for seconds in 'remaining time' message (idle timeout)</b>	Text	Specifies the text displayed before the number of seconds remaining when an idle timeout is reached.
<b>Prefix text for seconds in 'remaining time' message (maximum timeout)</b>	Text	Specifies the text displayed before the number of seconds remaining when a maximum session time timeout is reached.
<b>Text for 'disconnect' button</b>	Text	Specifies the text on the button that the user clicks to disconnect the session.
<b>Text for 'disconnect' button tooltip</b>	Text	Specifies the tooltip text for the button that the user clicks to disconnect the session.
<b>Text for 'stay connected' button (idle timeout)</b>	Text	Specifies the text on the button that the user clicks to stay connected to the session in the event of an idle timeout.
<b>Text for 'stay connected' button (maximum timeout)</b>	Text	Specifies the text on the button that the user clicks to stay connected to the session in the event of a maximum session time timeout.
<b>Text for 'stay connected' button tooltip (idle timeout)</b>	Text	Specifies the tooltip text for the button that the user clicks to stay connected to the session in the event of an idle timeout.

Name	Value	Description
<b>Text for 'stay connected' button tooltip (maximum timeout)</b>	Text	Specifies the tooltip text for the button that the user clicks to stay connected to the session in the event of a maximum session time timeout.

## Webtop hometab settings

You can localize the timeout settings for portal access applications that are displayed on the webtop.

Name	Value	Description
<b>Home image text</b>	Text	Specifies the text for the home image on the hometab.
<b>Home link text</b>	Text	Specifies the text for the home link.
<b>Postfix text for 'remaining time' message (idle timeout)</b>	Text	Specifies the text after the seconds display in the remaining time warning for a portal access idle timeout.
<b>Postfix text for 'remaining time' message (maximum timeout)</b>	Text	Specifies the text after the seconds display in the remaining time warning for a portal access maximum session time timeout.
<b>Postfix text for seconds in 'remaining time' message (idle timeout)</b>	Text	Specifies the text after the number of seconds remaining when an idle timeout is reached.
<b>Postfix text for seconds in 'remaining time' message (maximum timeout)</b>	Text	Specifies the text after the number of seconds remaining when a maximum session time timeout is reached.
<b>Prefix text for 'remaining time' message (idle timeout)</b>	Text	Specifies the message displayed before the seconds and postfix message display in the remaining time warning for a portal access idle timeout.
<b>Prefix text for 'remaining time' message (maximum timeout)</b>	Text	Specifies the text before the seconds and postfix message display in the remaining time warning for a portal access maximum session time timeout.
<b>Prefix text for seconds in 'remaining time' message (idle timeout)</b>	Text	Specifies the text displayed before the number of seconds remaining when an idle timeout is reached.
<b>Prefix text for seconds in 'remaining time' message (maximum timeout)</b>	Text	Specifies the text displayed before the number of seconds remaining when a maximum session time timeout is reached.
<b>Text for 'disconnect' button</b>	Text	Specifies the text on the button that the user clicks to disconnect the session.
<b>Text for 'disconnect' button tooltip</b>	Text	Specifies the tooltip text for the button that the user clicks to disconnect the session.
<b>Text for 'stay connected' button (idle timeout)</b>	Text	Specifies the text on the button that the user clicks to stay connected to the session in the event of an idle timeout.
<b>Text for 'stay connected' button (maximum timeout)</b>	Text	Specifies the text on the button that the user clicks to stay connected to the session in the event of a maximum session time timeout.

Name	Value	Description
<b>Text for 'stay connected' button tooltip (idle timeout)</b>	Text	Specifies the tooltip text for the button that the user clicks to stay connected to the session in the event of an idle timeout.
<b>Text for 'stay connected' button tooltip (maximum timeout)</b>	Text	Specifies the tooltip text for the button that the user clicks to stay connected to the session in the event of a maximum session time timeout.

## Full webtop settings

You can localize particular messages and links for full webtops.

Name	Value	Description
<b>Applications and links</b>	Text	Specifies the header text for the applications and links section on the full webtop.
<b>Empty URL input message</b>	Text	Specifies the text in the empty URL field on the full webtop.
<b>Header message</b>	Text	Specifies the header message for the full webtop.
<b>Help window contents</b>	Text/HTML	Specifies the help text in the help window. Click the edit button to the right of this field to see the full text.
<b>Help window contents header</b>	Text	Specifies the header for the Help window.
<b>Network access</b>	Text	Specifies the text for the network access section.
<b>Toolbar - help</b>	Text	Specifies the help link text on the toolbar.

## Full webtop popup window settings

You can localize particular messages and links for full webtops.

Name	Value	Description
<b>Action label</b>	Text	Specifies the label for the action section on the webtop popup.
<b>Application Name label</b>	Text	Specifies the label for the application name section on the webtop popup.
<b>Application Tunnels label</b>	Text	Specifies the label for the application tunnels section on the webtop popup.
<b>Connected to message</b>	Text	Specifies the text for the tunnel or resource the user is connected to, on the webtop popup.
<b>Logged in as message</b>	Text	Specifies the label for the user name that the user is logged in as on the webtop popup.
<b>Network access label</b>	Text	Specifies the label for the network access section.
<b>Optimized Applications label</b>	Text	Specifies the label for the optimized applications section.
<b>Page title</b>	Text	Specifies the page title for the popup window.

Name	Value	Description
Status label	Text	Specifies the text for the status label on the popup window.
Summary label	Text	Specifies the text for the label for the summary section on the popup window.
Terminate All Tunnels button	Text	Specifies the text for the button to stop all tunnel connections.
Terminate button	Text	Specifies the text for the Terminate button for a specific connection.
Terminate NA Tunnels button	Text	Specifies the text for the button to stop the network access connection.
Total Traffic label	Text	Specifies the label for the total traffic display.
Traffic compression label	Text	Specifies the label for the traffic compression display.
Traffic label	Text	Specifies the label for the traffic display.
Traffic Received label	Text	Specifies the label for received traffic section.
Traffic Received label	Text	Specifies the label for received traffic section.
Traffic Sent label	Text	Specifies the label for sent traffic section.
Traffic Type label	Text	Specifies the label for the traffic type section.
View label	Text	Specifies the label for the view section.
Warning before closing popup	Text	Specifies the warning that appears before closing the popup window and closing all connections.
Warning when user navigated from Webtop	Text	Specifies the warning that appears when the user attempts to navigate away from the webtop and close connections.
Warning when Webtop closed	Text	Specifies the warning when the webtop popup is closed and connections are to be closed.

## Full webtop Citrix logon form settings

You can localize settings for the Citrix® logon form on the webtop.

Name	Value	Description
Cancel button text	Text	Specifies the text for the cancel button on the Citrix logon form.
Domain label	Text	Specifies the label for the domain field on the Citrix logon form.
Logon button text	Text	Specifies the text on the logon button on the Citrix logon form.
Logon form caption	Text	Specifies the text for the Citrix logon form caption.
Logon form caption when logon fails	Text	Specifies the text to display when Citrix logon fails.
Message to show to the user when connection to Citrix server fails	Text	Specifies the text to display when the Citrix connection fails, and a retry or cancel option is presented.

Name	Value	Description
<b>Message to show to the user when logon to Citrix server fails</b>	Text	Specifies the text to display when the logon to the Citrix server fails, and a retry or cancel option is presented.
<b>Password label</b>	Text	Specifies the label for the password field.
<b>Try again button text</b>	Text	Specifies the text for the retry button when the Citrix logon or connection fails.
<b>Username label</b>	Text	Specifies the text for the label for the username field.

### Full webtop Citrix installer settings

You can localize settings for the Citrix® installer on the webtop.

Name	Value	Description
<b>Citrix client not detected caption</b>	Text	Specifies the caption when the Citrix client is not detected by the installer.
<b>Citrix client not detected message</b>	Text	Specifies the message when the Citrix client is not detected by the installer, and provide instructions to download the installer.
<b>Citrix client not up-to-date caption</b>	Text	Specifies the text when a newer Citrix client is available for download.
<b>Citrix client not up-to-date message</b>	Text	Specifies the message when a newer Citrix client is available for download, and provides instructions to download an updated client.
<b>Download button text</b>	Text	Specifies the label on the download button.
<b>Skip installation button text</b>	Text	Specifies the label on the button to skip installation.

### Full webtop Citrix browser setting

You can localize settings for the Citrix® browser on the webtop.

Name	Value	Description
<b>Close browser</b>	Text	Specifies the text to close the Citrix browser.

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# Chapter

# 9

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## Localizing Captions for Resources in Advanced View

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- *What is resource caption localization?*
  - *Localizing captions*
-

### What is resource caption localization?

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With caption localization, you can change the caption and description for resources on the webtop.

### Localizing captions

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Localize webtops to configure captions and descriptions for resources on a full webtop in a specific language.

1. On the Main tab, click **Access Policy > Customization**.  
The Customization tool appears, in Basic Customization view.
2. From the View list, select **Advanced Customization**.  
The Customization tool switches to Advanced (tree) view.
3. In Advanced Customization view, from the **Form Factor** menu at the top of the Customization tool, select **Full/Mobile Browser**.
4. Click the Localization tab.
5. Select the resource type folder for **App Tunnels, Network Access, Remote Desktops, Portal Access, or Webtop Links**.
6. Select the resource name.
7. At the top right of the customization settings pane, select the **Language** for which to customize the caption and description for full and mobile browsers.
8. Type a **Caption** to provide a label for the resource on the full webtop.
9. Type a **Detailed Description** to provide a detailed description for the resource in the full webtop.
10. After you customize settings, click the **Save** icon at the top of the Customization tool.

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# Chapter 10

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## Changing Customized Properties with Advanced Edit Mode

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- *What is Advanced Edit Mode customization?* |

## What is Advanced Edit Mode customization?

With advanced customization, you can directly edit PHP, CSS, JavaScript, and HTML to control the display and function of web and client pages in Access Policy Manager. You can use the built-in editor to edit files, or you can copy and paste with an editing application of your choice.

### Editing files in Advanced Edit Mode

Edit files in Advanced Edit Mode to configure settings not easily set with the Properties Edit Mode.

1. On the Main tab, click **Access Policy > Customization**.  
The Customization tool appears, in Basic Customization view.
2. From the View list, select **Advanced Customization**.  
The Customization tool switches to Advanced (tree) view.
3. In Advanced Customization view, from the **Form Factor** menu at the top of the Customization tool, select **Full/Mobile Browser**.
4. In Advanced Customization view, from the **Edit Mode** menu at the top of the Customization tool, select **Advanced**.
5. Select the resource type folder for **Access Profiles** or **Webtops**.
6. Navigate through the folder hierarchy to find the file you want to edit, and click on the file.  
The file appears in the built-in editor pane, with simple syntax highlighting.
7. Make the changes you require to the file. You can make changes in the editor window, or you can edit in an external editor using copy and paste commands for your operating system.
  - To save a draft of your changes without applying them, click the **Save Draft** button.
  - To discard any changes saved with the **Save Draft** button, click **Revert**, and follow the instructions on the confirmation dialog.
8. After you customize settings, click the **Save** icon at the top of the Customization tool.

### Properties for access profiles in Advanced Edit Mode

You can customize the following files for access profiles in Advanced Edit Mode.

Name	Location	Description
<b>apm_edge.css</b>	<b>Customization Settings &gt; Access Profiles &gt; <i>access_profile</i> &gt; Common</b>	The CSS that controls the look and feel for BIG-IP® Edge Client® pages.
<b>header.inc</b>	<b>Customization Settings &gt; Access Profiles &gt; <i>access_profile</i> &gt; Common</b>	Specifies the page header content for access profile pages on all devices.
<b>apm_mobile_ppc.css</b>	<b>Customization Settings &gt; Access Profiles &gt; <i>access_profile</i> &gt; Common</b>	The CSS that controls the look and feel for pages on a PocketPC device.
<b>javascript_disabled.inc</b>	<b>Customization Settings &gt; Access Profiles &gt; <i>access_profile</i> &gt; Common</b>	The layout for the page that appears when JavaScript is disabled on the client.

Name	Location	Description
<b>apm_mobile.css</b>	<b>Customization Settings &gt; Access Profiles &gt; <i>access_profile</i> &gt; Common</b>	The layout properties for access policy pages on any mobile device that is not a PocketPC.
<b>apm_full.css</b>	<b>Customization Settings &gt; Access Profiles &gt; <i>access_profile</i> &gt; Common</b>	The CSS and PHP code that controls the look and feel for pages on a web browser.
<b>footer.inc</b>	<b>Customization Settings &gt; Access Profiles &gt; <i>access_profile</i> &gt; Common</b>	The include that specifies the footer text line.
<b>apm.css</b>	<b>Customization Settings &gt; Access Profiles &gt; <i>access_profile</i> &gt; Common</b>	The PHP code that determines the CSS file that is used with a particular browser or device.
<b>access_notfound.inc</b>	<b>Customization Settings &gt; Access Profiles &gt; <i>access_profile</i> &gt; Logout</b>	The HTML, JavaScript, and PHP code that presents a page when access is not granted.
<b>logout.inc</b>	<b>Customization Settings &gt; Access Profiles &gt; <i>access_profile</i> &gt; Logout</b>	The HTML, JavaScript, and PHP code that presents a page when the user logs out. The file includes several options for different logout reasons.
<b>my.acl.inc</b>	<b>Customization Settings &gt; Access Profiles &gt; <i>access_profile</i> &gt; Logout</b>	The HTML, JavaScript, and PHP code that presents a page when the access to a page is denied for one of several reasons, including by an ACL.
<b>http_401.inc</b>	<b>Customization Settings &gt; Access Profiles &gt; <i>access_profile</i> &gt; Access Policy &gt; Logon Pages &gt; <i>logon_page</i></b>	The page that appears when an HTTP 401 error (unauthorized) occurs.
<b>logon.inc</b>	<b>Customization Settings &gt; Access Profiles &gt; <i>access_profile</i> &gt; Access Policy &gt; Logon Pages &gt; <i>logon_page</i></b>	A PHP file that specifies the layout and items that appear on the logon page.
<b>decision_box.inc</b>	<b>Customization Settings &gt; Access Profiles &gt; <i>access_profile</i> &gt; Access Policy &gt; Decision Pages &gt; <i>decision_box</i></b>	Specifies the layout for the HTML that appears in a decision box.
<b>message_box.inc</b>	<b>Customization Settings &gt; Access Profiles &gt; <i>access_profile</i> &gt; Access Policy &gt; Message Pages &gt; <i>message_box</i></b>	Specifies the layout for the HTML that appears in a message box.
<b>access_notfound.inc</b>	<b>Customization Settings &gt; Access Profiles &gt; <i>access_profile</i> &gt; Access Policy &gt; Ending Pages &gt; <i>ending</i></b>	The HTML page that appears when access cannot be established.
<b>logout.inc</b>	<b>Customization Settings &gt; Access Profiles &gt; <i>access_profile</i> &gt; Access Policy &gt; Ending Pages &gt; <i>ending</i></b>	The HTML page that appears when session logout occurs for one of several reasons.
<b>my.acl.inc</b>	<b>Customization Settings &gt; Access Profiles &gt; <i>access_profile</i> &gt; Access Policy &gt; Ending Pages &gt; <i>ending</i></b>	The HTML page that appears when access is denied because of a login failure or ACL issue.

## Changing Customized Properties with Advanced Edit Mode

Name	Location	Description
Macro pages	Customization Settings > Access Profiles > <i>access_profile</i> > Macros > <i>macro</i>	Macros can include any of the login page, decision page, and message page customization files as listed here.

### Properties for webtops in Advanced Edit Mode

You can customize the following files for webtops in Advanced Edit Mode.

Name	Location	Description
webtop_popup.css	Customization Settings > Webtops > <i>webtop</i>	The CSS that controls the look and feel for the webtop popup window.
desktopClass.js.inc	Customization Settings > Webtops > <i>webtop</i>	The JavaScript code that specifies how the webtop page is dynamically created.
webtop_help.inc	Customization Settings > Webtops > <i>webtop</i>	The HTML code on the webtop page that provides the link to the webtop help page.
hometab.inc	Customization Settings > Webtops > <i>webtop</i>	The JavaScript code that controls the look and feel for the Home Tab.

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# Chapter 11

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## Customizing the APM logon page

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- *Overview: Customizing the logon page* |

### Overview: Customizing the logon page

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Using the Customization tool, you can personalize your logon page with your organization's brand images and colors, and change the layout of the logon page screen. In this implementation, you change a header logo image on the logon page.

### Customizing a logo on the logon screen

Customization is a trial-and-error process. For practice, you should create a new virtual server and access policy in Access Policy Manager® (APM) before you start customizing your logon page.

With the Customization tool, you can personalize and localize page layout, colors, images, and messages for the BIG-IP® APM® browser pages.

1. In your web browser address bar, type the IP address of the BIG-IP system with which you are working.  
The BIG-IP system logon page opens.
2. Right click the logon page.  
The browser shortcut menu opens.
3. Click **Inspect Element**.  
The **Inspect Element** option might appear as a different name in different browsers (such as, **View Source**).  
A window displaying the HTML code of the web page opens.
4. Hover your cursor over a line of HTML code.  
You can see the exact HTML code that matches the icons, text, entry fields, and buttons that appear on the UI. The tag ID displays the type of the object on the UI, such as a header or a banner.
5. On the logon page, in the **Username** and **Password** fields, type your user name and password, and click **Log in**.
6. On the Main tab, click **Access Policy > Customization**.  
The Customization Quick Start screen opens.
7. From the **View** list, select **Advanced Customization**.
8. On the Branding tab, expand each item in the tree, **Access Profiles > /Common/ad\_access > Common >** , then click **Page Header Settings**.  
The access profile for your configuration is unique. You can select the access profile that is relevant to the BIG-IP system. For other items in the Configuration utility besides the page header, use the HTML code to determine the correct tab and the access policy in the Customization screen.  
The Page Header Settings area opens.
9. For the **Header left image (Full Size)** setting, click the file path of the image in the Value column, and in the resulting field, type the file path of the new image that you want to add.
10. Click the **Save** button.
11. On the Main tab, click **Access Policy > Access Profiles**.  
The Access Profiles List screen opens.
12. Select the check box for the access policy that you customized.
13. Click **Apply Access Policy**.
14. Click **Log Out**.  
The logon page opens.

The header logo is now the new image that you uploaded in the Customization screen.

# Index

## A

- access policy
  - customizing page appearance 35
  - decision page settings 60
  - logon page settings 59
  - personalizing 35
- access policy items
  - settings 35
- access policy pages
  - properties 35
- access profile
  - AAA error settings 56
  - basic settings 18
  - branding settings for fonts 31
  - branding settings for form 33
  - branding settings for form elements 33
  - branding settings for general page style 31
  - branding settings for image 32
  - branding settings for layout 32
  - branding settings for page footers 32
  - branding settings for page headers 31
  - browser framework settings 51
  - customizing appearance 30
  - dynamic configuration error settings 58
  - enpoint security settings 52
  - general error settings 55
  - installation error settings 57
  - logout page settings 54
  - personalizing 30
  - resource error settings 57
  - settings for advanced customization images 34–35, 46, 61–62
  - unknown error settings 59
- access profile pages
  - customizing appearance 30
- activity section
  - webtop setting 67
- advanced customization images
  - setting for pages 34–35, 46, 61–62
- advanced edit mode
  - editing files 76
- Advanced Edit Mode
  - editing CSS 76
  - editing JavaScript 76
  - editing PHP 76
  - files for access profiles 76
  - files for webtops 78
- app tunnel
  - basic settings 19

## B

- basic customization
  - access profile 18
  - app tunnel 19
  - network access 20
  - portal access 21

- basic customization (*continued*)
    - remote desktop 20
    - webtop link 21
    - webtop settings 21
  - Basic customization
    - starting 18
  - Basic Customization view 18
  - BIG-IP Edge Client
    - branding 24–25
    - localization 26, 36
    - localizing webtop settings 66
    - webtop settings 66
  - branding
    - customizing access profiles 30
    - customizing for BIG-IP Edge Client 24
    - customizing for logout pages 34
    - customizing for webtops 40
    - customizing front login page image 35
    - for BIG-IP Edge Client 25
    - settings for advanced customization images 34–35, 46, 61–62
    - settings for appearance 31
    - settings for fonts 31
    - settings for form 33
    - settings for form elements 33
    - settings for image 32
    - settings for layout 32
    - settings for page footers 32
    - settings for page headers 31
- ## C
- Citrix
    - browser setting for full webtop 72
    - installer settings for full webtop 72
    - settings for full webtop 71
  - common pages
    - localizing 50
  - common page styles
    - customizing settings 18
  - connectivity status
    - setting icons 40
  - CSS files
    - for access profiles 76
    - for webtops 78
  - CSS sprites image
    - setting 40
  - customization
    - editing in Advanced Edit Mode 76
    - for BIG-IP Edge Client 24
    - for full and mobile browsers 30
    - form factors 14
    - for webtops 40
    - of logon page 80
    - overview 14, 80
  - Customization
    - 80
    - tool 14

- Customization tool
  - starting 14
- customized pages
  - preview 25–26, 30, 36
- customizing
  - basic settings 18
  - by editing files 76
- customizing decision box pages 35
- customizing ending pages 35
- customizing message box pages 35

## D

- decision box pages
  - customizing appearance 35
  - localizing 60
- decision pages
  - localizing 60
  - localizing in access policy 60
  - settings in access policy 60

## E

- Edge Client
  - localizing webtop settings 66
  - webtop settings 66
- ending pages
  - customizing appearance 35
  - localizing 62
- endpoint security
  - localizing messages 52
  - settings 52
- error messages
  - AAA settings 56
  - dynamic configuration settings 58
  - general settings 55
  - installation settings 57
  - localizing 55
  - localizing AAA error messages 56
  - localizing dynamic configuration error messages 58
  - localizing general errors 55
  - localizing in access profiles 55
  - localizing installation error messages 57
  - localizing other error messages 59
  - localizing resource error messages 57
  - other error settings 59
  - resource settings 57

## F

- fonts
  - settings for access profiles 31
- form
  - settings for access profiles 33
- form and message settings
  - localizing for webtops 64
- form appearance
  - settings for access profiles 33
- form factors
  - for customization 14
- framework
  - localizing 50, 53

- framework (*continued*)
  - settings 51
- full and mobile browser
  - branding for access policy items 35
- full webtop
  - appearance settings 45
  - Citrix browser setting 72
  - Citrix installer settings 72
  - Citrix logon settings 71
  - company logo 45
  - localize settings 70
  - popup window settings 70
- full webtops
  - localizing images 48
  - localizing resource captions 74

## H

- hide
  - localizing webtop settings 66
  - webtop settings 66
- hometab
  - configuration settings 42

## I

- image
  - adding a company logo 45
  - settings for access profiles 32
- image browser
  - adding images 24
- images
  - adding with the image browser 24
  - localizing for webtops 64

## J

- JavaScript files
  - for access profiles 76
  - for webtops 78

## L

- layout
  - settings for access profiles 32
- localization
  - customizing for BIG-IP Edge Client 26, 36
  - for access policy items 35
  - for BIG-IP Edge Client 26, 36
  - for common pages 50
  - for resource captions 74
  - for webtops 64
  - of decision pages 60
  - of ending pages 62
  - of error messages 55
  - of logon page 50
  - of logon pages 59
  - of loout page 53
  - of message box pages 61
- localizing images
  - for webtops 64, 74

- localizing messages
  - for full and mobile browsers 50
  - for webtops 64, 74
- login form
  - personalizing 33
- login form appearance
  - personalizing 33
- login pages
  - customizing appearance 35
- logo
  - customizing 80
- logon page
  - customizing 80
  - customizing logo 80
  - localizing layout and content 50
  - overview 80
- logon pages
  - localizing 59
  - localizing in access policy 59
  - settings in access policy 59
- logout
  - customizing 34
  - webtop settings 67
- logout page
  - localizing layout and content 53
- logout pages
  - localizing messages 54
  - settings 54

## M

- message box pages
  - customizing appearance 35
  - localizing 61
- messages
  - localizing 36
  - localizing for common pages 50

## N

- network access
  - basic settings 20
- new sessions
  - webtop settings 67

## P

- page footers
  - settings for access profiles 32
- page headers
  - settings for access profiles 31
- pages
  - localizing in access profiles 50, 53
- personalization
  - for resource images 48
- personalizing
  - images for resources 48
- personalizing images
  - for webtops 48
- PHP files
  - for access profiles 76
  - for webtops 78

- portal access
  - basic settings 21
  - timeout settings 68–69
- portal access hometab
  - configuration settings 42
- portal access timeout
  - configuration settings 41
- preview customization changes 25–26, 30, 36

## Q

- quick start
  - 18
  - access profile customization settings 18
  - app tunnel customization settings 19
  - network access customization settings 20
  - portal access customization settings 21
  - remote desktop customization settings 20
  - using for customization 18
  - webtop common customization settings 21
  - webtop link customization settings 21

## R

- relaunch
  - webtop settings 67
- remote desktop
  - basic settings 20

## S

- show
  - localizing webtop settings 66
  - webtop settings 66
- starting the Customization tool 14

## T

- timeout
  - webtop settings 68–69
- timeout window
  - configuration settings 41
- tool
  - for customization 14

## V

- views
  - Basic 18
  - for customization 14

## W

- web applications
  - timeout settings 68–69
- web browsers
  - customizing access profile logout 34
- webtop
  - activity setting 67
  - appearance settings 45
  - basic settings 21

### webtop (*continued*)

- connectivity status icons 40
- CSS sprites image 40
- form settings 64
- full webtop Citrix browser setting 72
- full webtop Citrix installer settings 72
- full webtop Citrix settings 71
- full webtop popup settings 70
- full webtop settings 70
- logout settings 67
- message settings 64
- new session settings 67
- portal access hometab settings 42
- portal access session timeout settings 68–69

### webtop (*continued*)

- portal access timeout settings 41
- relaunch settings 67
- settings for BIG-IP Edge Client 66
- showing information settings 66
- webtop customization 48
- webtop customization 64, 74
- webtop link
  - basic settings 21
- webtops
  - customizing appearance 40
  - localizing 64
  - personalizing 40