

Slide 1 - Zscaler Policies



Zscaler Policies

Web – Access Control

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Slide notes

Welcome to the Zscaler Web Access Control Policies Module.

Slide 2 - Navigating the eLearning Module

Navigating the eLearning Module

**Slide notes**

Here is a quick guide to navigating this module. There are various controls for playback including play and pause, previous, next slide and fast forward. You can also mute the audio or enable Closed Captioning which will cause a transcript of the module to be displayed on the screen. Finally, you can click the X button at the top to exit.

Slide 3 - Agenda

Agenda

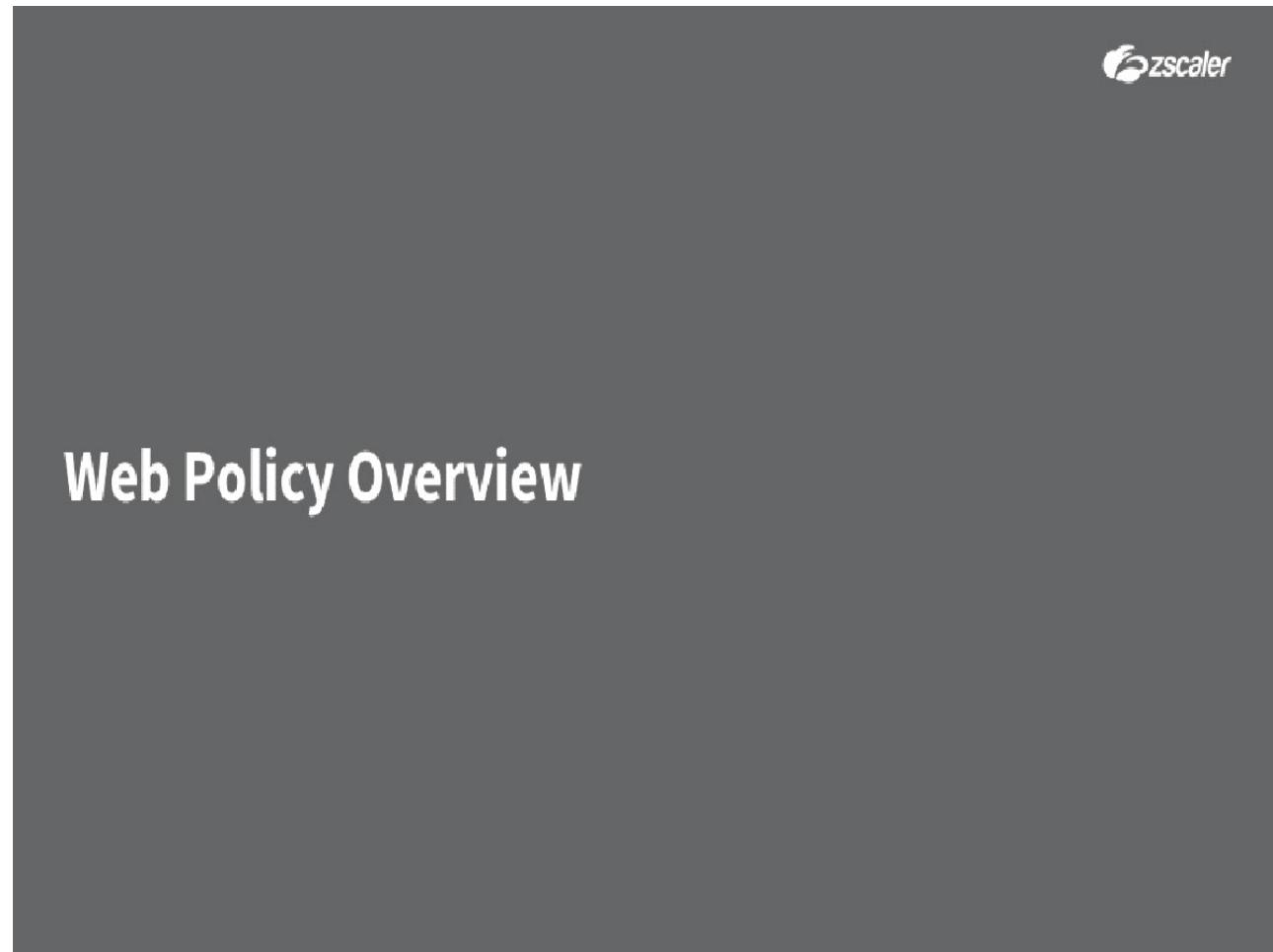
- Web Policy Overview
- Interactive Demo: Web Policy
 - Access Control



Slide notes

In this module, we will cover: an overview of the Web policies available; and a detailed look at the available Web **Access Control** policies.

Slide 4 - Web Policy Overview

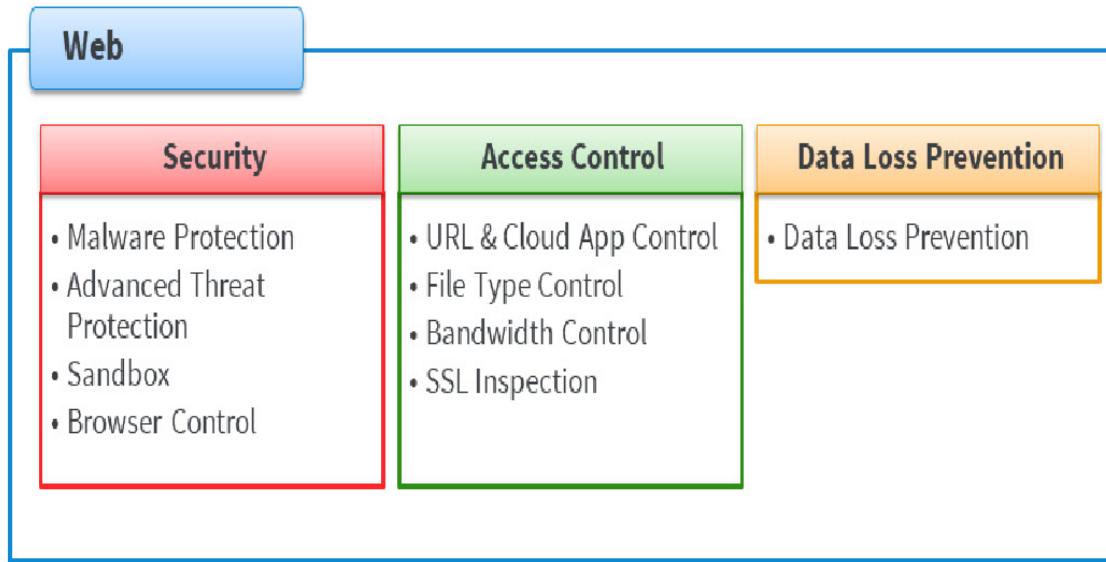


Slide notes

The first topic we will cover is an overview of the available Web policies.

Slide 5 - Web Policy Areas

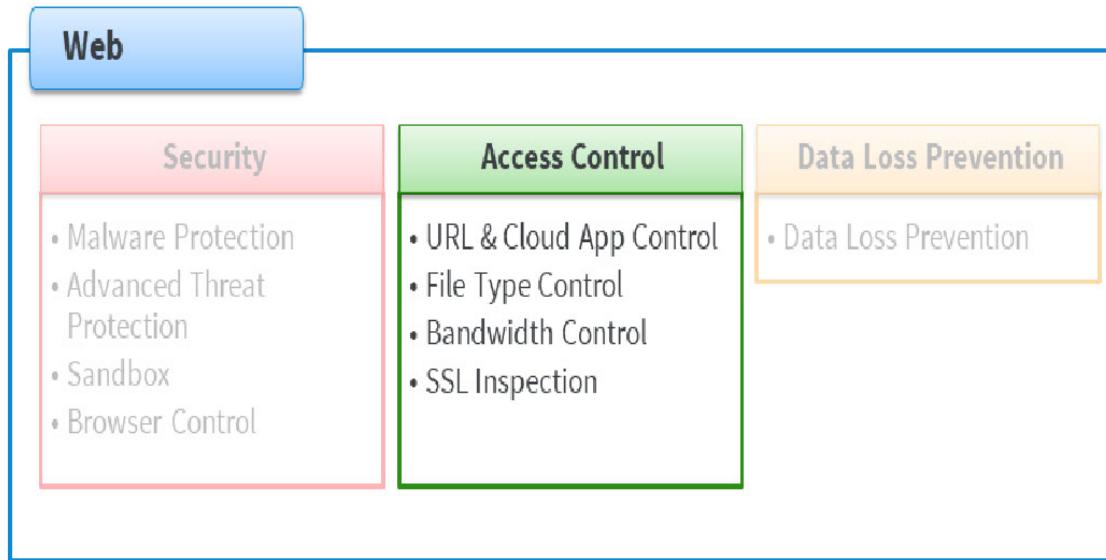
Web Policy Areas

**Slide notes**

The Web policy area is the most extensive of the policy areas, and allows the creation of **Security**, **Access Control** and **Data Loss Prevention** policies.

Slide 6 - Web Policy Areas

Web Policy Areas

**Slide notes**

In this module, we will look at each of the policies available in the **Access Control** category, and provide some recommendations for the policy settings.

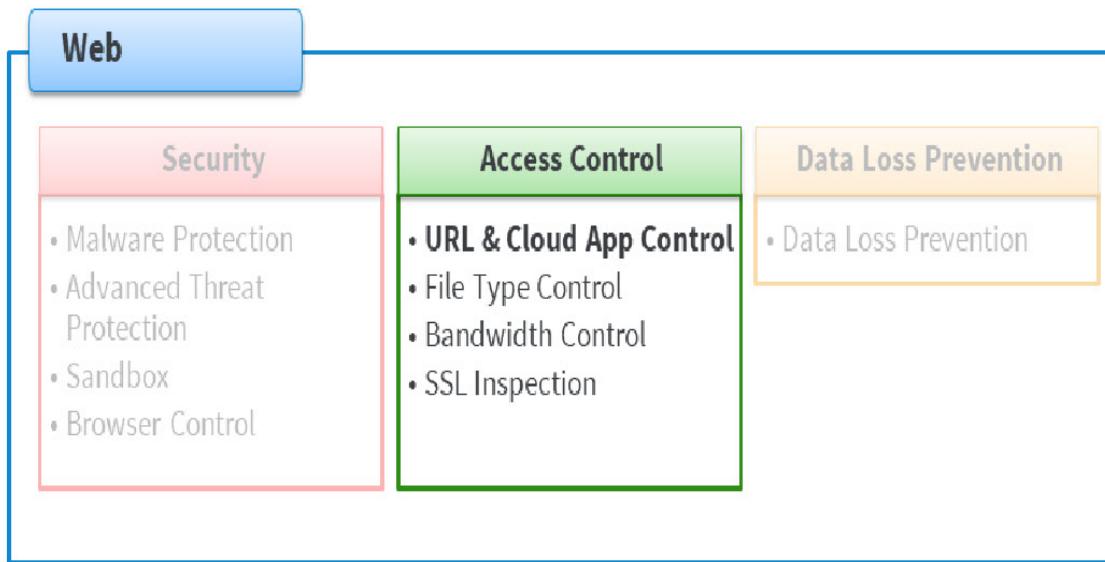
Slide 7 - Interactive Demo: Web Policy – Access Control**Slide notes**

In the next section, we will have a detailed look at the Web **Access Control** Policies.

This section has been created as an interactive demo to give you a feel for the navigation of the Zscaler Admin Portal UI. You will be asked to select the appropriate menu options to navigate the UI. You may also use the Play control to proceed to the next step.

Slide 8 - Web Policy Areas

Web Policy Areas

**Slide notes**

The **URL & Cloud App Control** Policy allows you to create filtering rules to **Block**, **Allow**, or allow with a **Caution**, access for identified cloud apps, or to specified URLs or URL categories. The **URL & Cloud App Control** area is where you will probably spend most of your time, as this is where you will define what kinds of sites and applications your users are allowed to use.

Note that the Cloud App Control Policy takes priority over the URL Policy, and Zscaler recommends controlling access by cloud app in preference to URL wherever possible. The Rules are evaluated in the order listed, and rule evaluation stops at the first match; there is a default **Allow All** rule, although this is not visible.

Slide 9 - Slide 9

The screenshot shows the 'URL & Cloud App Control' section of the Zscaler interface. On the left, a vertical sidebar contains icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area is titled 'Configure URL & Cloud App Control Policy' with a note: 'Rules are evaluated in the order specified. Rule evaluation stops at the first match. Cloud app control policies take priority over URL policy. Default policy which is not visible is to allow all.' Below this is a navigation bar with tabs: 'URL FILTERING POLICY' (selected), 'CLOUD APP CONTROL POLICY' (disabled), and 'ADVANCED POLICY SETTINGS'. A search bar and a 'Recommended Policy' indicator are also present. The main content area displays a table of rules:

Rule Order	Rule Name	Criteria	Action	Description	More
1	URL Filtering Rule-1	URL CATEGORIES Other Adult Material; Adult Themes; Lingerie/Bikini; Nudity; Pornography; Sexuality; Adul...	Block	DEFAULT -- DO NOT MODIFY OR DELETE!	Edit Delete
2	URL_Filtering_1	URL CATEGORIES Other Adult Material; Adult Themes; Lingerie/Bikini; Nudity; Pornography; Sexuality; Adul... PROTOCOLS FTP over HTTP; Native FTP; HTTPS; HTTP; SSL; Tunnel	Block With Override Override Users: Any Override Groups: Any	Block Adult Content	Edit Delete

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Slide notes

As the Cloud App Control Policy takes precedence over URL filtering, we'll look at that first. Click the **CLOUD APP CONTROL POLICY** tab.

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URL & Cloud App Control

Configure URL & Cloud App Control Policy
Rules are evaluated in the order specified. Rule evaluation stops at the first match. Cloud app control policies take priority over URL policy. Default policy which is not visible is to allow all.

URL FILTERING POLICY **CLOUD APP CONTROL POLICY** **ADVANCED POLICY SETTINGS**

Add **Recommended Policy** **Search...** **Q**

Rule Order	Admin Rank	Rule Name	Criteria	Action	Description	⋮
Instant Messaging						
1	7	Instant Messaging Rule-1	APPLICATIONS Yahoo Web Messenger; MSN Web Messenger; AIM Express; Google Talk; Meebo ...	Disabled		
2	7	Instant Messaging Rule-2	APPLICATIONS Google Talk; Meebo - Web IM	Disabled		
Social Networking & Blogging						
1	7	Social Nw & Blogging Rule-1	APPLICATIONS MySpace; Orkut; Facebook; Blogger (blogspot.com); Slashdot	Disabled		
2	7	Social Nw & Blogging Rule-2	APPLICATIONS Yahoo Groups; Google Groups	Disabled		
Streaming Media						
1	7	Streaming Media Rule-1	APPLICATIONS YouTube; Google Video; Yahoo Video	Disabled		
2	7	Streaming Media Rule-2	APPLICATIONS Bip; Veoh; Break	Disabled		
Webmail						
1	7	Webmail Rule-1	APPLICATIONS Gmail; Yahoo Webmail; Outlook	Disabled		
2	7	Webmail Rule-2	APPLICATIONS AOL Mail; RediffMail	Disabled		

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There are several rules in here by default, although all are disabled. Default rules are available to control access for: **Instant Messaging; Social Networking & Blogging; Streaming Media & File Sharing; and Webmail.**

You can edit any of these rules to enable them, change their order, or to adjust the target criteria or actions, you can also create duplicates if you choose.

Slide 11 - Slide 11

URL & Cloud App Control

Configure URL & Cloud App Control Policy

Rules are evaluated in the order specified. Rule evaluation stops at the first match. Cloud app control policies take priority over URL policy. Default policy which is not visible is to allow all.

URL FILTERING POLICY **CLOUD APP CONTROL POLICY** **ADVANCED POLICY SETTINGS**

Add **Recommended Policy** **Search...**

Rule Order	Admin Rank	Rule Name	Criteria	Action	Description	⋮
Instant Messaging						
1	7	Instant Messaging Rule-1	APPLICATIONS Yahoo Web Messenger; MSN Web Messenger; AIM Express; Google Talk; Meebo ...	Disabled		
2	7	Instant Messaging Rule-2	APPLICATIONS Google Talk; Meebo - Web IM	Disabled		
Social Networking & Blogging						
1	7	Social Nw & Blogging Rule-1	APPLICATIONS MySpace; Orkut; Facebook; Blogger (blogspot.com); Slashdot	Disabled		
2	7	Social Nw & Blogging Rule-2	APPLICATIONS Yahoo Groups; Google Groups	Disabled		
Streaming Media						
1	7	Streaming Media Rule-1	APPLICATIONS YouTube; Google Video; Yahoo Video	Disabled		
2	7	Streaming Media Rule-2	APPLICATIONS Bip; Veoh; Break	Disabled		
Webmail						
1	7	Webmail Rule-1	APPLICATIONS Gmail; Yahoo Webmail; Outlook	Disabled		
2	7	Webmail Rule-2	APPLICATIONS AOL Mail; RediffMail	Disabled		

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To add a new rule, click the **Add** field

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URL & Cloud App Control

Configure URL & Cloud App Control Policy
Rules are evaluated in the order specified. Rule evaluation stops at the first match. Cloud app control policies take priority over URL policy. Default policy which is not visible is to allow all.

URL FILTERING POLICY **CLOUD APP CONTROL POLICY** **ADVANCED POLICY SETTINGS**

Add	Rule Name	Criteria	Action	Description	⋮
IT Services	Instant Messaging Rule-1	APPLICATIONS Yahoo Web Messenger; MSN Web Messenger; AIM Express; Google Talk; Meebo ~...	Disabled		edit info
	Instant Messaging Rule-2	APPLICATIONS Google Talk; Meebo - Web IM	Disabled		edit info
Social Networking & Blogging					
1	7	Social Nw & Blogging Rule-1	APPLICATIONS MySpace; Orkut; Facebook; Blogger (blogspot.com); Slashdot	Disabled	edit info
2	7	Social Nw & Blogging Rule-2	APPLICATIONS Yahoo Groups; Google Groups	Disabled	edit info
Streaming Media					
1	7	Streaming Media Rule-1	APPLICATIONS YouTube; Google Video; Yahoo Video	Disabled	edit info
2	7	Streaming Media Rule-2	APPLICATIONS Bip; Veoh; Break	Disabled	edit info
Webmail					
1	7	Webmail Rule-1	APPLICATIONS Gmail; Yahoo Webmail; Outlook	Disabled	edit info
2	7	Webmail Rule-2	APPLICATIONS AOL Mail; RediffMail	Disabled	edit info

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Slide notes

and select the type of rule to add. In this example will add a **Webmail** rule.

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The screenshot shows the Zscaler Policy interface for URL & Cloud App Control. On the left, there's a sidebar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area shows a list of rules categorized by application type: Instant Messaging, Social Networking & Blogging, Streaming Media, and Webmail. Each category has two rules listed by rule order (1 or 2) and admin rank (7). The 'Instant Messaging' section contains 'Instant Messaging Rule-1' and 'Instant Messaging Rule-2'. The 'Social Networking & Blogging' section contains 'Social Nw & Blogging Rule-1' and 'Social Nw & Blogging Rule-2'. The 'Streaming Media' section contains 'Streaming Media Rule-1' and 'Streaming Media Rule-2'. The 'Webmail' section contains 'Webmail Rule-1' and 'Webmail Rule-2'. A modal dialog box titled 'Add Webmail Rule' is open in the center. It has sections for 'CLOUD APP CONTROL RULE' (Rule Order: 3, Admin Rank: 7, Rule Name: Webmail_1, Rule Status: Enabled), 'CRITERIA' (Cloud Applications: Any, Users: Any, Groups: Any, Departments: Any, Locations: Any, Time: Always), 'ACTION' (Viewing Mail: Allow, Block; Sending Mail: Allow, Block; Sending Attachments: Allow, Block; Daily Bandwidth Quota (MB): Daily Time Quota (min)), and 'DESCRIPTION' (a large text area). At the bottom of the dialog are 'Save' and 'Cancel' buttons.

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Set the **Rule Order**, **Admin Rank** (if this feature has been enabled), **Rule Name**, and **Rule Status** as required. Remember that rules must be enabled for us to apply them, and that rules are evaluated from the top (Rule 1) downward, with a first match.

As an example, you might have a Social Media rule that allows all users to read Facebook, Slashdot, and Twitter but not post to them, but you have another that allows Marketing to post things to Twitter and Facebook as part of their social media marketing activities. The most specific rule MUST be listed first, or it will never be triggered, so in this example the Marketing rule must come before the all users rule.

Slide 14 - Slide 14

The screenshot shows the Zscaler Policy Management interface. On the left, there's a sidebar with icons for Dashboard, Analytics, Policy, Application, Activation, and Search. The main area is titled "URL & Cloud App Control" and contains tabs for "URL FILTERING POLICY", "CLOUD APP CONTROL POLICY" (which is selected), and "ADVANCED POLICY SETTING". Below these tabs is a table listing existing rules categorized by application type: Instant Messaging, Social Networking & Blogging, Streaming Media, and Webmail. Each category has two rules listed with their respective rule order, admin rank, and rule name.

The central part of the screen is a modal dialog titled "Add Webmail Rule". This dialog is divided into several sections:

- CLOUD APP CONTROL RULE**: Contains fields for "Rule Order" (set to 3) and "Admin Rank" (set to 7).
- CRITERIA**: Contains fields for "Cloud Applications" (set to Any), "Users" (set to Any), "Groups" (set to Any), and "Departments" (set to Any). It also includes "Locations" (set to Any) and "Time" (set to Always).
- ACTION**: Contains sections for "Viewing Mail" (with "Allow" and "Block" buttons), "Sending Mail" (with "Allow" and "Block" buttons), "Sending Attachments" (with "Allow" and "Block" buttons), and "Daily Bandwidth Quota (MB)".
- DESCRIPTION**: A large text area for entering a description of the rule.

At the bottom of the dialog are "Save" and "Cancel" buttons.

Slide notes

To select which Cloud applications this rule is to apply to, click the **Cloud Applications** field

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The screenshot shows the Zscaler URL & Cloud App Control interface. On the left, there's a sidebar with icons for Dashboard, Analytics, Policy, Application, Activation, and Search. The main area is titled 'URL & Cloud App Control' and shows a list of rules under 'Instant Messaging', 'Social Networking & Blogging', 'Streaming Media', and 'Webmail'. A specific rule named 'Webmail Rule-1' is selected. A modal window titled 'Add Webmail Rule' is open, allowing the creation of a new rule. The 'Rule Order' is set to 3 and 'Admin Rank' to 7. The 'Rule Name' is 'Webmail_1' and 'Rule Status' is 'Enabled'. In the 'CLOUD APP CONTROL RULE' section, 'Cloud Applications' and 'Users' are both set to 'Any'. A sub-modal window titled 'Selected Items (1)' lists various email providers, with 'Gmail' checked. At the bottom of the 'Add Webmail Rule' dialog, there are 'Done', 'Cancel', and 'Save' buttons.

Slide notes

select one or more applications from the list, and click **Done**. In this example we will use **Gmail**.

Slide 16 - Slide 16

The screenshot shows the Zscaler Policy interface for URL & Cloud App Control. On the left, there's a sidebar with icons for Dashboard, Analytics, Policy, Application, Activation, and Search. The main area shows a list of rules categorized by application type: Instant Messaging, Social Networking & Blogging, Streaming Media, and Webmail. Each category has two rules listed with their respective rule order, admin rank, and rule name.

Add Webmail Rule Dialog:

- CLOUD APP CONTROL RULE:**
 - Rule Order: 3
 - Admin Rank: 7
 - Rule Name: Webmail_1
 - Rule Status: Enabled
- CRITERIA:**
 - Cloud Applications: Gmail
 - Users: Any
 - Groups: Any
 - Departments: Any
 - Locations: Any
 - Time: Always
- ACTION:**
 - Viewing Mail: Allow (selected)
 - Sending Mail: Block
 - Sending Attachments: Allow (selected)
 - Daily Bandwidth Quota (MB):
 - Daily Time Quota (min):
- DESCRIPTION:** (Empty text area)

Buttons at the bottom: Save (blue) and Cancel.

Slide notes

Target the rule using any combination of the **Users**, **Groups**, **Departments**, **Locations**, or **Time** options, remembering that **Users**, **Groups**, and **Department** are combined using a logical **OR**, and that **Locations** and **Time** are combined using a logical **AND**.

Slide 17 - Slide 17

The screenshot shows the Zscaler URL & Cloud App Control interface. On the left, there's a sidebar with icons for Dashboard, Analytics, Policy, Application, Activation, and Search. The main area is titled 'URL & Cloud App Control' and has tabs for 'URL FILTERING POLICY', 'CLOUD APP CONTROL POLICY', and 'ADVANCED POLICY SETTING'. A sub-section titled 'Cloud App Control Rule' is displayed, showing a table of existing rules:

Rule Order	Admin Rank	Rule Name
1	7	Instant Messaging Rule-1
2	7	Instant Messaging Rule-2
1	7	Social Nw & Blogging Rule-1
2	7	Social Nw & Blogging Rule-2
1	7	Streaming Media Rule-1
2	7	Streaming Media Rule-2
1	7	Webmail Rule-1
2	7	Webmail Rule-2

A modal window titled 'Add Webmail Rule' is open in the center. It contains fields for 'Rule Order' (set to 3), 'Admin Rank' (set to 7), 'Rule Name' (set to 'Webmail_1'), and 'Rule Status' (set to 'Enabled'). The 'CRITERIA' section includes dropdowns for 'Cloud Applications' (Gmail), 'Users' (Any), 'Groups' (Any), 'Departments' (Any), 'Locations' (Any), and 'Time' (Always). The 'ACTION' section includes buttons for 'Viewing Mail' ('Allow' is selected), 'Sending Mail' ('Allow' is selected), 'Sending Attachments' ('Allow' is selected), and 'Daily Bandwidth Quota (MB)' (a field is present but empty). The 'DESCRIPTION' section has a large text input field. At the bottom of the modal are 'Save' and 'Cancel' buttons.

Slide notes

Then specify the **Action** to take on a match to this rule. The actions available for this Webmail rule are: **Allow** or **Block** the viewing of mail; **Allow** or **Block** the sending of mail; and **Allow** or **Block** the sending of attachments. When allowing an option, you can also specify a **Daily Bandwidth Quota (MB)** (for the application); and specify a **Daily Time Quota (min)** (for a session).

Slide 18 - Slide 18

The screenshot shows the Zscaler Policy interface for URL & Cloud App Control. On the left, there's a sidebar with icons for Dashboard, Analytics, Policy, Application, Activation, and Search. The main area displays a list of rules under 'URL FILTERING POLICY', 'CLOUD APP CONTROL POLICY', and 'ADVANCED POLICY SETTING'. A modal window titled 'Add Webmail Rule' is open in the center.

CLOUD APP CONTROL RULE

- Rule Order:** 3 (selected)
- Admin Rank:** 7 (selected)
- Rule Name:** Webmail_1
- Rule Status:** Enabled

CRITERIA

- Cloud Applications:** Gmail (selected)
- Users:** Any (selected)
- Groups:** Any (selected)
- Departments:** Any (selected)
- Locations:** Any (selected)
- Time:** Always (selected)

ACTION

- Viewing Mail:** Allow (selected)
- Sending Mail:** Block (selected)
- Sending Attachments:** Allow (selected)
- Daily Bandwidth Quota (MB):** Daily Time Quota (min) (selected)

DESCRIPTION

Buttons: Save (blue), Cancel

In the background, the main interface lists existing rules across categories: Instant Messaging, Social Networking & Blogging, Streaming Media, and Webmail. Each category has two rules listed with their respective rule order, admin rank, and rule name.

Slide notes

Having configured the rule as required, click **Save**.

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URL & Cloud App Control

Configure URL & Cloud App Control Policy
Rules are evaluated in the order specified. Rule evaluation stops at the first match. Cloud app control policies take priority over URL policy. Default policy which is not visible is to allow all.

URL FILTERING POLICY **CLOUD APP CONTROL POLICY** **ADVANCED POLICY SETTINGS**

Add Recommended Policy Search...

Rule Order	Admin Rank	Rule Name	Criteria	Action	Description	⋮
Instant Messaging						
1	7	Instant Messaging Rule-1	APPLICATIONS Yahoo Web Messenger; MSN Web Messenger; AIM Express; Google Talk; Meebo ~...	Disabled		
2	7	Instant Messaging Rule-2	APPLICATIONS Google Talk; Meebo - Web IM	Disabled		
Social Networking & Blogging						
1	7	Social Nw & Blogging Rule-1	APPLICATIONS MySpace; Orkut; Facebook; Blogger (blogspot.com); Slashdot	Disabled		
2	7	Social Nw & Blogging Rule-2	APPLICATIONS Yahoo Groups; Google Groups	Disabled		
Streaming Media						
1	7	Streaming Media Rule-1	APPLICATIONS YouTube; Google Video; Yahoo Video	Disabled		
2	7	Streaming Media Rule-2	APPLICATIONS Bip; Veoh; Break	Disabled		
Webmail						
1	7	Webmail Rule-1	APPLICATIONS Gmail; Yahoo Webmail; Outlook	Disabled		
2	7	Webmail Rule-2	APPLICATIONS AOL Mail; RediffMail	Disabled		
3	7	Webmail_1	APPLICATIONS Gmail	Allow Viewing Mail, Sending Attachments, Sending Mail		

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Slide 20 - Slide 20

The screenshot shows the Zscaler Policy Web Access Control interface. The left sidebar has navigation links: Dashboard, Analytics, Policy (selected), Application Control, Activation, and Search. The main area shows 'MY ACTIVATION STATUS' with 'Editing' and 'CURRENTLY EDITING (1) admin@training5.zscaler.com'. A note says 'Rule evaluation stops at the first match. Cloud app control policies take priority over URL policy. Default policy which is not visible is to allow all.' Below is a table of application control rules:

Rank	Rule Name	Criteria	Action	Description	Actions
	Instant Messaging Rule-1	APPLICATIONS Yahoo Web Messenger; MSN Web Messenger; AIM Express; Google Talk; Meeko ...	Disabled		<i>(edit)</i> <i>(refresh)</i>
	Instant Messaging Rule-2	APPLICATIONS Google Talk; Meeko - Web IM	Disabled		<i>(edit)</i> <i>(refresh)</i>
	Social Nw & Blogging Rule-1	APPLICATIONS MySpace; Orkut; Facebook; Blogger (blogspot.com); Slashdot	Disabled		<i>(edit)</i> <i>(refresh)</i>
	Social Nw & Blogging Rule-2	APPLICATIONS Yahoo Groups; Google Groups	Disabled		<i>(edit)</i> <i>(refresh)</i>
	Streaming Media Rule-1	APPLICATIONS YouTube; Google Video; Yahoo! Video	Disabled		<i>(edit)</i> <i>(refresh)</i>
	Streaming Media Rule-2	APPLICATIONS Blip; Veoh; Break	Disabled		<i>(edit)</i> <i>(refresh)</i>
	Webmail Rule-1	APPLICATIONS Gmail; Yahoo Webmail; Outlook	Disabled		<i>(edit)</i> <i>(refresh)</i>
	Webmail Rule-2	APPLICATIONS AOL Mail; RediffMail	Disabled		<i>(edit)</i> <i>(refresh)</i>
	Webmail_1	APPLICATIONS Gmail	Allow Viewing Mail, Sending Attachments, Sending Mail		<i>(edit)</i> <i>(refresh)</i>

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And **Activate** your changes.

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URL & Cloud App Control

Activation Completed!

Configure URL & Cloud App Control Policy

Rules are evaluated in the order specified. Rule evaluation stops at the first match. Cloud app control policies take priority over URL policy. Default policy which is not visible is to allow all.

URL FILTERING POLICY **CLOUD APP CONTROL POLICY** **ADVANCED POLICY SETTINGS**

Add

Rule Order Admin Rank Rule Name Criteria Action Description

Instant Messaging

1	7	Instant Messaging Rule-1	APPLICATIONS Yahoo Web Messenger; MSN Web Messenger; AIM Express; Google Talk; Meeko ...	Disabled		
2	7	Instant Messaging Rule-2	APPLICATIONS Google Talk; Meeko - Web IM	Disabled		

Social Networking & Blogging

1	7	Social Nw & Blogging Rule-1	APPLICATIONS MySpace; Orkut; Facebook; Blogger (blogspot.com); Slashdot	Disabled		
2	7	Social Nw & Blogging Rule-2	APPLICATIONS Yahoo Groups; Google Groups	Disabled		

Streaming Media

1	7	Streaming Media Rule-1	APPLICATIONS YouTube; Google Video; Yahoo! Video	Disabled		
2	7	Streaming Media Rule-2	APPLICATIONS Blip; Veoh; Break	Disabled		

Webmail

1	7	Webmail Rule-1	APPLICATIONS Gmail; Yahoo Webmail; Outlook	Disabled		
2	7	Webmail Rule-2	APPLICATIONS AOL Mail; RediffMail	Disabled		
3	7	Webmail_1	APPLICATIONS Gmail	Allow Viewing Mail, Sending Attachments, Sending Mail		

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The screenshot shows the Zscaler Policy Web Access Control interface. The left sidebar contains icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main content area is titled "URL & Cloud App Control" and "Advanced Controls". It displays a table of policy rules:

Rule Order	Admin Rank	Rule Name	Criteria	Action	Description	More Options
Instant Messaging						
1	7	Instant Messaging Rule-1	APPLICATIONS Yahoo Web Messenger; MSN Web Messenger; AIM Express; Google Talk; Meeko ...	Disabled		<i>(edit)</i> <i>(info)</i>
2	7	Instant Messaging Rule-2	APPLICATIONS Google Talk; Meeko - Web IM	Disabled		<i>(edit)</i> <i>(info)</i>
Social Networking & Blogging						
1	7	Social Nw & Blogging Rule-1	APPLICATIONS MySpace; Orkut; Facebook; Blogger (blogspot.com); Slashdot	Disabled		<i>(edit)</i> <i>(info)</i>
2	7	Social Nw & Blogging Rule-2	APPLICATIONS Yahoo Groups; Google Groups	Disabled		<i>(edit)</i> <i>(info)</i>
Streaming Media						
1	7	Streaming Media Rule-1	APPLICATIONS YouTube; Google Video; Yahoo! Video	Disabled		<i>(edit)</i> <i>(info)</i>
2	7	Streaming Media Rule-2	APPLICATIONS Blip; Veoh; Break	Disabled		<i>(edit)</i> <i>(info)</i>
Webmail						
1	7	Webmail Rule-1	APPLICATIONS Gmail; Yahoo Webmail; Outlook	Disabled		<i>(edit)</i> <i>(info)</i>
2	7	Webmail Rule-2	APPLICATIONS AOL Mail; RediffMail	Disabled		<i>(edit)</i> <i>(info)</i>
3	7	Webmail_1	APPLICATIONS Gmail	Allow Viewing Mail, Sending Attachments, Sending Mail		<i>(edit)</i> <i>(info)</i>

At the bottom of the page, there is a footer with copyright information and a timestamp.

Slide notes

Scrolling down to the **Webmail** category, you can see your new rule which, as it was added at the bottom, will be evaluated last. You can adjust the **Rule Order** and even delete the disabled rules as you require.

Slide 23 - Slide 23

URL & Cloud App Control

Configure URL & Cloud App Control Policy

Rules are evaluated in the order specified. Rule evaluation stops at the first match. Cloud app control policies take priority over URL policy. Default policy which is not visible is to allow all.

URL FILTERING POLICY	CLOUD APP CONTROL POLICY	ADVANCED POLICY SETTINGS				
Add i Recommended Policy Search... Q						
Rule Order	Admin Rank	Rule Name	Criteria	Action	Description	⋮
Instant Messaging						
1	7	Instant Messaging Rule-1	APPLICATIONS Yahoo Web Messenger; MSN Web Messenger; AIM Express; Google Talk; Meeko ...	Disabled		Edit Delete
2	7	Instant Messaging Rule-2	APPLICATIONS Google Talk; Meeko - Web IM	Disabled		Edit Delete
Social Networking & Blogging						
1	7	Social Nw & Blogging Rule-1	APPLICATIONS MySpace; Orkut; Facebook; Blogger (blogspot.com); Slashdot	Disabled		Edit Delete
2	7	Social Nw & Blogging Rule-2	APPLICATIONS Yahoo Groups; Google Groups	Disabled		Edit Delete
Streaming Media						
1	7	Streaming Media Rule-1	APPLICATIONS YouTube; Google Video; Yahoo! Video	Disabled		Edit Delete
2	7	Streaming Media Rule-2	APPLICATIONS Blip; Veoh; Break	Disabled		Edit Delete
Webmail						
1	7	Webmail Rule-1	APPLICATIONS Gmail; Yahoo Webmail; Outlook	Disabled		Edit Delete
2	7	Webmail Rule-2	APPLICATIONS AOL Mail; RediffMail	Disabled		Edit Delete
3	7	Webmail_1	APPLICATIONS Gmail	Allow Viewing Mail, Sending Attachments, Sending Mail		Edit Delete

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Slide notes

Now let's look at the URL filtering options, by clicking on the **URL FILTERING POLICY** tab.

Slide 24 - Slide 24

The screenshot shows the Zscaler Policy Web Access Control interface. On the left is a dark sidebar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area is titled "URL & Cloud App Control" and contains a sub-section titled "Configure URL & Cloud App Control Policy". It states: "Rules are evaluated in the order specified. Rule evaluation stops at the first match. Cloud app control policies take priority over URL policy. Default policy which is not visible is to allow all." Below this are tabs for "URL FILTERING POLICY" (selected), "CLOUD APP CONTROL POLICY", and "ADVANCED POLICY SETTINGS". A button "Add URL Filtering Rule" is visible. A table lists rules, with one entry shown: "URL Filtering Rule-1" (Rule Order 1, Admin Rank 7) with Criteria "URL CATEGORIES: Other Adult Material; Adult Themes; Lingerie/Bikini; Nudity; Pornography; Sexuality..." and Action "Block". A note says "DEFAULT -- DO NOT MODIFY OR DE...". To the right of the table are "Recommended Policy" and a search bar. At the bottom of the main area, there's a footer with copyright information: "Copyright©2007-2018 Zscaler Inc. All rights reserved. | Version 5.6 | Patents" and "Weblog Time: 11/9/2018 8:52:56 AM | Last Updated: 11/8/2018 9:53:03 AM".

Slide notes

Here you will also find a default rule for use as an example, which is **Disabled**. To add a rule, click the **Add URL Filtering Rule** link.

Slide 25 - Slide 25

The screenshot shows the Zscaler Policy Web Access Control interface. On the left, there's a sidebar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area is titled "URL & Cloud App Control" and contains tabs for "URL FILTERING POLICY", "CLOUD APP CONTROL POLICY", and "ADVANCED POLICY SETTING". A sub-menu under "URL FILTERING POLICY" shows "Add URL Filtering Rule". Below this, a table lists a single rule: "Rule Order: 1, Admin Rank: 7, Rule Name: URL Filtering Rule-1". The central part of the screen is a modal dialog titled "Add URL Filtering Rule". This dialog has several sections: "URL FILTERING RULE" (Rule Order: 2, Admin Rank: 7, Rule Name: URL_Filtering_1, Status: Enabled); "CRITERIA" (URL Categories: Any, HTTP Requests: All; Users: Any, Groups: Any; Departments: Any, Locations: Any; Time: Always, Protocols: FTP over HTTP; HTTP; HTTPS; Native F...); "ACTION" (Web Traffic: Allow selected, Caution, Block); "DESCRIPTION" (a large text input field); and "Buttons" (Save, Cancel). In the bottom right corner of the main interface, there's a timestamp: "Weblog Time: 11/9/2018 8:02:58 AM Last Updated: 11/9/2018 8:02:58 AM".

Slide notes

As before, you can manage **Rule Order**, **Admin Rank**, **Rule Name**, and **Rule Status** at the top.

Slide 26 - Slide 26

The screenshot shows the Zscaler Policy Web Access Control interface. On the left, there's a sidebar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area is titled 'URL & Cloud App Control' and contains tabs for 'URL FILTERING POLICY', 'CLOUD APP CONTROL POLICY', and 'ADVANCED POLICY SETTING'. A sub-section titled 'Configure URL & Cloud App Control Policy' with the note 'Rules are evaluated in the order specified. Rule evaluation stops at the first match. Cloud app control...' is visible. In the center, a modal window titled 'Add URL Filtering Rule' is open. It has sections for 'URL FILTERING RULE', 'CRITERIA', 'ACTION', and 'DESCRIPTION'. The 'URL FILTERING RULE' section includes fields for 'Rule Order' (set to 2), 'Admin Rank' (set to 7), 'Rule Name' (set to 'URL_Filtering_1'), and 'Rule Status' (set to 'Enabled'). The 'CRITERIA' section includes fields for 'URL Categories' (set to 'Any'), 'HTTP Requests' (set to 'All'), 'Users' (set to 'Any'), 'Groups' (set to 'Any'), 'Departments' (set to 'Any'), 'Locations' (set to 'Any'), 'Time' (set to 'Always'), and 'Protocols' (set to 'FTP over HTTP; HTTP; HTTPS; Native F...'). The 'ACTION' section includes a 'Web Traffic' button group with 'Allow' selected, and fields for 'Daily Bandwidth Quota (MB)' and 'Daily Time Quota (min)'. The 'DESCRIPTION' section is empty. At the bottom of the modal are 'Save' and 'Cancel' buttons.

Slide notes

To select the categories of URL that this rule is to apply to, click the **URL Categories** field

Slide 27 - Slide 27

The screenshot shows the Zscaler Policy Management interface for URL & Cloud App Control. A modal window titled 'Add URL Filtering Rule' is open, showing the configuration for a new rule. The rule is set to have a Rule Order of 2 and an Admin Rank of 7. It is named 'URL_Filtering_1' and is currently Enabled. The 'CRITERIA' section is expanded, showing that the rule applies to 'Any' URL Category and 'HTTP Requests'. A modal window is displayed, listing various URL categories and sub-categories. Under 'Unselected Items', categories like 'Adult Material', 'Adult Sex Education', 'Adult Themes', 'K-12 Sex Education', 'Lingerie/Bikini', 'Nudity', 'Other Adult Material', 'Pornography', 'Sexuality', and 'Social Networking Adult' are listed. Under 'Selected Items (9)', specific items like 'Adult Sex Education', 'Adult Themes', 'K-12 Sex Education', 'Lingerie/Bikini', 'Nudity', 'Other Adult Material', 'Pornography', 'Sexuality', and 'Social Networking Adult' are selected. At the bottom of the modal, there are 'Done' and 'Cancel' buttons.

Slide notes

and select from the available categories, and sub-categories. You can select entire categories, or only the required sub-categories. Note that the categories are pre-defined, although you can manage them, and even add user defined categories, we'll look at how to do that in a few minutes.

If you wish to check a URL to see what category it is in, you can do a look-up through the help menu. Click 'Help' at the top and choose **URL lookup**, enter the URL and click **Lookup URL**, we will tell you the category as well as any security alerts on that URL.

Click **Done** once you have added all the required **URL Categories**.

Slide 28 - Slide 28

The screenshot shows the Zscaler Policy Management interface. On the left, there's a sidebar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area is titled "URL & Cloud App Control" and "Configure URL & Cloud App Control Policy". It displays a table of existing URL filtering rules:

Rule Order	Admin Rank	Rule Name
1	7	URL Filtering Rule-1

A modal window titled "Add URL Filtering Rule" is open in the center. It contains the following fields:

- URL FILTERING RULE**
 - Rule Order:** 2
 - Admin Rank:** 7
 - Rule Name:** URL_Filtering_1
 - Rule Status:** Enabled
- CRITERIA**
 - URL Categories:** Adult Sex Education; Adult Themes; K-1...
 - HTTP Requests:** All (selected)
 - Users:** Any
 - Departments:** Any
 - Locations:** Any
 - Time:** Always
 - Protocols:** FTP over HTTP; HTTP; HTTPS; Native F...
- ACTION**
 - Web Traffic:** Allow (selected)
 - Daily Bandwidth Quota (MB):** [empty input field]
 - Daily Time Quota (min):** [empty input field]
- DESCRIPTION:** [Empty text area]

At the bottom of the modal are "Save" and "Cancel" buttons.

Slide notes

Select the type of **HTTP Requests** the rule is to apply to, the options being **All**, or **POST**.

Slide 29 - Slide 29

The screenshot shows the Zscaler Policy Management interface. On the left, there's a sidebar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area is titled 'URL & Cloud App Control' and contains tabs for 'URL FILTERING POLICY', 'CLOUD APP CONTROL POLICY', and 'ADVANCED POLICY SETTING'. A sub-section titled 'Configure URL & Cloud App Control Policy' with the note 'Rules are evaluated in the order specified. Rule evaluation stops at the first match. Cloud app control...' is visible. Below this, a table lists existing rules with columns for 'Rule Order', 'Admin Rank', and 'Rule Name'. One rule is listed: '1 7 URL Filtering Rule-1'. A modal window titled 'Add URL Filtering Rule' is open in the center. It has sections for 'URL FILTERING RULE' (with 'Rule Order' set to 2 and 'Admin Rank' to 7), 'CRITERIA' (including 'URL Categories', 'Users', 'Departments', 'Time', 'HTTP Requests', 'Groups', 'Locations', 'Protocols'), 'ACTION' (with 'Web Traffic' set to 'Allow'), and 'DESCRIPTION' (with a large text input field). At the bottom of the modal are 'Save' and 'Cancel' buttons.

Slide notes

Then specify the target **Users**, **Groups**, **Departments**, **Locations**, **Time**, and **Protocols** criteria. Note that the **Users**, **Groups** and **Departments** options all depend on the Users authenticating with Zscaler.

Slide 30 - Slide 30

The screenshot shows the Zscaler Policy Web Access Control interface. On the left, there's a sidebar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area is titled 'URL & Cloud App Control' and contains tabs for 'URL FILTERING POLICY', 'CLOUD APP CONTROL POLICY', and 'ADVANCED POLICY SETTING'. A sub-section titled 'Configure URL & Cloud App Control Policy' with the note 'Rules are evaluated in the order specified. Rule evaluation stops at the first match. Cloud app control...' is visible. In the center, a modal window titled 'Add URL Filtering Rule' is open. It has sections for 'URL FILTERING RULE' (Rule Order: 2, Admin Rank: 7), 'CRITERIA' (URL Categories: Adult Sex Education; Adult Themes; K-1..., HTTP Requests: All), 'ACTION' (Web Traffic: Allow selected, Caution, Block), and 'DESCRIPTION' (a large text input field). At the bottom of the modal are 'Save' and 'Cancel' buttons. To the right of the modal, a dark sidebar shows a list of policies with columns for 'Description' and 'Status'.

Slide notes

Finally, specify the **Action** to be taken if the rule is matched, the options are: **Allow**; **Caution**; or **Block**.

Allow is self-explanatory, traffic matching this rule will be allowed, although you may combine this with time or bandwidth quota settings.

Slide 31 - Slide 31

Slide notes

If you choose **Caution**, whenever a user tries to browse to a site that matches this rule, they will be presented with a caution **End User Notification** (EUN) page that warns them against visiting this URL. The EUN pages can be customized on the **Administration > End User Notifications** page of the admin portal.

You also have the option of specifying a **Redirect URL** should you wish to take them to a caution page that you manage yourself.

Slide 32 - Slide 32

The screenshot shows the Zscaler Policy Management interface. On the left, there's a sidebar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area is titled "URL & Cloud App Control" and contains tabs for "URL FILTERING POLICY", "CLOUD APP CONTROL POLICY", and "ADVANCED POLICY SETTING". A sub-section titled "Configure URL & Cloud App Control Policy" with the note "Rules are evaluated in the order specified. Rule evaluation stops at the first match. Cloud app control..." is visible.

In the center, a modal window titled "Add URL Filtering Rule" is open. It has several sections:

- URL FILTERING RULE**: Contains fields for "Rule Order" (set to 2) and "Admin Rank" (set to 7). Below these are "Rule Name" (set to "URL_Filtering_1") and "Rule Status" (set to "Enabled").
- CRITERIA**: This section includes dropdowns for "URL Categories" (set to "Adult Sex Education; Adult Themes; K-1..."), "HTTP Requests" (set to "All"), "Users" (set to "Any"), "Groups" (set to "Any"), "Departments" (set to "Any"), "Locations" (set to "Any"), "Time" (set to "Always"), and "Protocols" (set to "FTP over HTTP; HTTP; HTTPS; Native F...").
- ACTION**: Shows a "Web Traffic" section with three buttons: "Allow" (highlighted), "Caution", and "Block". Below this is an "Allow Override" checkbox (unchecked) and a "Redirect URL" input field.
- DESCRIPTION**: A large text area for entering a description, which is currently empty.
- Buttons**: At the bottom of the modal are "Save" and "Cancel" buttons.

On the right side of the interface, there's a list of existing URL filtering rules with columns for "Description" and "Status". One rule is listed: "DEFAULT -- DO NOT MODIFY OR DELETE" with status "Enabled".

Slide notes

If you choose **Block**, users will be blocked from accessing the page and a block EUN page will be shown. You also have the option of specifying a **Redirect URL**.

Slide 33 - Slide 33

The screenshot shows the Zscaler Policy Management interface under the 'URL & Cloud App Control' section. On the left, there's a sidebar with various policy categories like Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area displays a list of URL filtering rules. One rule is selected, 'URL Filtering Rule-1', which has a 'Rule Order' of 1 and an 'Admin Rank' of 7. The 'Criteria' section includes settings for URL Categories (Adult Sex Education; Adult Themes; K-1...), HTTP Requests (All), Users (Any), Groups (Any), Departments (Any), Locations (Any), Time (Always), and Protocols (FTP over HTTP; HTTP; HTTPS; Native F...). The 'Action' section shows 'Web Traffic' with options 'Allow', 'Caution', and 'Block' (selected). The 'Allow Override' checkbox is checked. The 'Description' field is empty. At the bottom, there are 'Save' and 'Cancel' buttons.

Slide notes

Or you can enable the **Allow Override** option, and select **Users** or **Groups** that have the ability to override the block.

For example, this could be used in a school computer lab when a student is legitimately researching normally prohibited content. When the student is shown the block page it will contain a link where a teacher can log in and allow access to the site.

Slide 34 - Slide 34

The screenshot shows the Zscaler URL & Cloud App Control interface. On the left, there's a sidebar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area is titled 'URL & Cloud App Control' and contains tabs for 'URL FILTERING POLICY', 'CLOUD APP CONTROL POLICY', and 'ADVANCED POLICY SETTING'. A modal window titled 'Add URL Filtering Rule' is open. Inside the modal, under 'URL FILTERING RULE', the 'Rule Order' is set to 2 and the 'Admin Rank' is set to 7. The 'Rule Name' is 'URL_Filtering_1' and the 'Rule Status' is 'Enabled'. The 'CRITERIA' section includes 'URL Categories' (Adult Sex Education; Adult Themes; K-1...), 'HTTP Requests' (All), 'Users' (Any), 'Groups' (Any), 'Departments' (Any), 'Locations' (Any), 'Time' (Always), and 'Protocols' (FTP over HTTP; HTTP; HTTPS; Native F...). Under 'ACTION', there are three buttons: 'Allow', 'Caution', and 'Block'. The 'Block' button is selected. The 'Allow Override' checkbox is checked. The 'Override Users' and 'Override Groups' dropdowns are both set to 'Any'. In the 'DESCRIPTION' section, the text 'Block adult material' is entered. At the bottom of the modal are 'Save' and 'Cancel' buttons.

Slide notes

Add a **Description** if required, and click **Save**.

Slide 35 - Slide 35

The screenshot shows the Zscaler Policy Management interface under the 'URL & Cloud App Control' section. On the left, a vertical sidebar contains icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area displays a table of URL Filtering Rules.

Configure URL & Cloud App Control Policy
Rules are evaluated in the order specified. Rule evaluation stops at the first match. Cloud app control policies take priority over URL policy. Default policy which is not visible is to allow all.

URL FILTERING POLICY **CLOUD APP CONTROL POLICY** **ADVANCED POLICY SETTINGS**

Add URL Filtering Rule **Recommended Policy** **Search...**

Rule Order	Admin Rank	Rule Name	Criteria	Action	Description	⋮
1	7	URL Filtering Rule-1	URL CATEGORIES Other Adult Material; Adult Themes; Lingerie/Bikini; Nudity; Pornography; Sexuality...	Block	DEFAULT -- DO NOT MODIFY OR DE...	
2	7	URL_Filtering_1	URL CATEGORIES Other Adult Material; Adult Themes; Lingerie/Bikini; Nudity; Pornography; Sexuality... PROTOCOLS FTP over HTTP; Native FTP; HTTPS; HTTP; SSL; Tunnel	Block With Override Override Users: Any Override Groups: Any	Block adult material	

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Slide notes

Slide 36 - Slide 36

URL & Cloud App Control

Configure URL & Cloud App Control Policy

Rules are evaluated in the order specified. Rule evaluation stops at the first match. Cloud app control policies take priority over URL policy. Default policy which is not visible is to allow all.

URL FILTERING POLICY CLOUD APP CONTROL POLICY ADVANCED POLICY SETTINGS

Add URL Filtering Rule Recommended Policy Search...

Rule Order	Rule Name	Criteria	Action	Description	⋮
1	URL Filtering Rule-1	URL CATEGORIES Other Adult Material; Adult Themes; Lingerie/Bikini; Nudity; Pornography; Sexuality; Adu...	Block	DEFAULT -- DO NOT MODIFY	<input checked="" type="checkbox"/> Rule Order
2	URL_Filtering_1	URL CATEGORIES Other Adult Material; Adult Themes; Lingerie/Bikini; Nudity; Pornography; Sexuality; Adu... PROTOCOLS FTP over HTTP; Native FTP; HTTPS; HTTP; SSL; Tunnel	Block With Override Override Users: Any Override Groups: Any	Block adult material	<input type="checkbox"/> Admin Rank <input checked="" type="checkbox"/> Rule Name <input checked="" type="checkbox"/> Criteria <input checked="" type="checkbox"/> Action <input checked="" type="checkbox"/> Description

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Slide notes

To manage the information about the rules that is displayed in the list, click on the 3-line icon on the upper right and select which columns are to be shown. For example, if you want to remove the **Admin Rank** column, you can deselect it here.

Slide 37 - Slide 37

URL & Cloud App Control

Configure URL & Cloud App Control Policy

Rules are evaluated in the order specified. Rule evaluation stops at the first match. Cloud app control policies take priority over URL policy. Default policy which is not visible is to allow all.

URL FILTERING POLICY CLOUD APP CONTROL POLICY ADVANCED POLICY SETTINGS

Add URL Filtering Rule Recommended Policy Search...

Rule Order	Rule Name	Criteria	Action	Description	⋮
1	URL Filtering Rule-1	URL CATEGORIES Other Adult Material; Adult Themes; Lingerie/Bikini; Nudity; Pornography; Sexuality; Adu...	Block	DEFAULT -- DO NOT MODIFY	<input checked="" type="checkbox"/> Rule Order
2	URL_Filtering_1	URL CATEGORIES Other Adult Material; Adult Themes; Lingerie/Bikini; Nudity; Pornography; Sexuality; Adu... PROTOCOLS FTP over HTTP; Native FTP; HTTPS; HTTP; SSL; Tunnel	Block With Override Override Users: Any Override Groups: Any	Block adult material	<input type="checkbox"/> Admin Rank <input checked="" type="checkbox"/> Rule Name <input checked="" type="checkbox"/> Criteria <input checked="" type="checkbox"/> Action <input checked="" type="checkbox"/> Description

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Slide notes

And the **Admin Rank** column will be removed from the main policy screen.

Slide 38 - Slide 38

The screenshot shows the Zscaler Policy Control interface. On the left, a sidebar navigation bar includes links for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area displays 'MY ACTIVATION STATUS' with a red 'Editing' indicator. A message states: 'Rule evaluation stops at the first match. Cloud app control policies take priority over URL policy. Default policy which is not visible is to allow all.' Below this, there are tabs for 'URL CONTROL POLICY' and 'ADVANCED POLICY SETTINGS'. A table lists two URL filtering rules:

Rule Name	Criteria	Action	Description
RL_Filtering Rule-1	URL CATEGORIES Other Adult Material; Adult Themes; Lingerie/Bikini; Nudity; Pornography; Sexuality; Adu...	Block	DEFAULT -- DO NOT MODIFY OR DELETE!
RL_Filtering_1	URL CATEGORIES Other Adult Material; Adult Themes; Lingerie/Bikini; Nudity; Pornography; Sexuality; Adu... PROTOCOLS FTP over HTTP; Native FTP; HTTPS; HTTP; SSL; Tunnel	Block With Override Override Users: Any Override Groups: Any	Block adult material

At the bottom, a footer notes: 'Copyright©2007-2018 Zscaler Inc. All rights reserved. | Version 5.6 | Policies' and 'Weblog Time: 11/9/2018 8:52:56 AM Last Updated: 11/8/2018 9:53:03 AM'.

Slide notes

Be sure to **Activate** any changes that you made to the Policy.

Slide 39 - Slide 39

The screenshot shows the Zscaler URL & Cloud App Control Policy configuration interface. The left sidebar includes icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area has a header "Activation Completed!" and a sub-header "Configure URL & Cloud App Control Policy". It states: "Rules are evaluated in the order specified. Rule evaluation stops at the first match. Cloud app control policies take priority over URL policy. Default policy which is not visible is to allow all." Below this are tabs for "URL FILTERING POLICY" (selected), "CLOUD APP CONTROL POLICY", and "ADVANCED POLICY SETTINGS". A search bar and a "Recommended Policy" indicator are also present. The main content is a table showing two rules:

Rule Order	Rule Name	Criteria	Action	Description	⋮
1	URL Filtering Rule-1	URL CATEGORIES Other Adult Material; Adult Themes; Lingerie/Bikini; Nudity; Pornography; Sexuality; Adu...	Block	DEFAULT -- DO NOT MODIFY OR DELETE!	Edit Delete
2	URL_Filtering_1	URL CATEGORIES Other Adult Material; Adult Themes; Lingerie/Bikini; Nudity; Pornography; Sexuality; Adu... PROTOCOLS FTP over HTTP; Native FTP; HTTPS; HTTP; SSL; Tunnel	Block With Override Override Users: Any Override Groups: Any	Block adult material	Edit Delete

At the bottom, there is a copyright notice: "Copyright©2007-2018 Zscaler Inc. All rights reserved. | Version 5.6 | Patents" and a timestamp: "Weblog Time: 11/9/2018 8:52:56 AM Last Updated: 11/8/2018 9:53:03 AM".

Slide notes

Slide 40 - Slide 40

URL & Cloud App Control

Configure URL & Cloud App Control Policy

Rules are evaluated in the order specified. Rule evaluation stops at the first match. Cloud app control policies take priority over URL policy. Default policy which is not visible is to allow all.

Rule Order	Rule Name	Criteria	Action	Description
1	URL Filtering Rule-1	URL CATEGORIES Other Adult Material; Adult Themes; Lingerie/Bikini; Nudity; Pornography; Sexuality; Adu...	Block	DEFAULT -- DO NOT MODIFY OR DELETE!
2	URL_Filtering_1	URL CATEGORIES Other Adult Material; Adult Themes; Lingerie/Bikini; Nudity; Pornography; Sexuality; Adu... PROTOCOLS FTP over HTTP; Native FTP; HTTPS; HTTP; SSL; Tunnel	Block With Override Override Users: Any Override Groups: Any	Block adult material

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Slide notes

Finally in this Policy type, let's look at the advanced settings available, click on the **ADVANCED POLICY SETTINGS** tab.

Slide 41 - Slide 41

The screenshot shows the Zscaler Policy Web Access Control interface. On the left is a dark sidebar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area has a light gray header: "URL & Cloud App Control" and "Configure URL & Cloud App Control Policy". Below this, a note states: "Rules are evaluated in the order specified. Rule evaluation stops at the first match. Cloud app control policies take priority over URL policy. Default policy which is not visible is to allow all." There are three tabs at the top: "URL FILTERING POLICY" (selected), "CLOUD APP CONTROL POLICY", and "ADVANCED POLICY SETTINGS".

The "ADVANCED URL FILTERING OPTIONS" section contains several checkboxes:

- Enable Newly Registered Domain Lookup: checked
- Enable Dynamic Content Categorization: checked
- Enable Embedded Sites Categorization: unchecked
- Enforce SafeSearch: checked

A "Recommended Policy" link is located in the top right of this section.

The "ALLOWED DOMAINS FOR GOOGLE APPS" section has a text input field and a "Add Items" button.

The "OFFICE 365 CONFIGURATION" section contains:

- Enable Microsoft-Recommended One Click Office 365 Configuration: checked
- Enable Office 365 Tenant Restriction: unchecked

Below these sections is a "Skype" configuration with "Allow" and "Block" buttons. At the bottom are "Save" and "Cancel" buttons, and a "Help" icon.

At the very bottom of the page, there is a footer bar with copyright information: "Copyright©2007-2018 Zscaler Inc. All rights reserved. | Version 5.6 | Patents". It also shows "Weblog Time: 11/9/2018 8:52:56 AM" and "Last Updated: 11/6/2018 9:53:03 AM".

Slide notes

On this tab, in the **Advanced URL Filtering Options** section there are a number of options that can be enabled: **Dynamic Content Categorization**; **Embedded Sites Categorization**; and **SafeSearch**.

Slide 42 - Slide 42

The screenshot shows the 'URL & Cloud App Control' section of the Zscaler web interface. On the left is a vertical sidebar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area has tabs for 'URL FILTERING POLICY' (selected), 'CLOUD APP CONTROL POLICY', and 'ADVANCED POLICY SETTINGS'. Under 'ADVANCED URL FILTERING OPTIONS', there are several checkboxes: 'Enable Newly Registered Domain Lookup' (checked), 'Enable Dynamic Content Categorization' (checked), 'Enable Embedded Sites Categorization' (unchecked), and 'Enforce SafeSearch' (checked). A text input field for 'Allowed Domains for Google Apps' contains a placeholder and a 'Add Items' button. Below this is the 'OFFICE 365 CONFIGURATION' section with checkboxes for 'Enable Microsoft-Recommended One Click Office 365 Configuration' (checked) and 'Enable Office 365 Tenant Restriction' (unchecked). Under 'Skype', there are 'Allow' and 'Block' buttons. At the bottom are 'Save' and 'Cancel' buttons, and a status bar with copyright information and a refresh icon.

Slide notes

Also in this section, you have the option of adding a list of **Allowed Domains for Google Apps**.

Slide 43 - Slide 43

The screenshot shows the Zscaler Policy Web Access Control interface. On the left is a dark sidebar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area has a light gray header: "URL & Cloud App Control" and "Configure URL & Cloud App Control Policy". Below this, a note states: "Rules are evaluated in the order specified. Rule evaluation stops at the first match. Cloud app control policies take priority over URL policy. Default policy which is not visible is to allow all." There are three tabs at the top: "URL FILTERING POLICY" (selected), "CLOUD APP CONTROL POLICY", and "ADVANCED POLICY SETTINGS".

The "ADVANCED URL FILTERING OPTIONS" section contains several checkboxes:

- Enable Newly Registered Domain Lookup: checked
- Enable Dynamic Content Categorization: checked
- Enable Embedded Sites Categorization: unchecked
- Enforce SafeSearch: checked

A "Recommended Policy" link is located in the top right of this section.

The "ALLOWED DOMAINS FOR GOOGLE APPS" section has a text input field and a "Add Items" button.

The "OFFICE 365 CONFIGURATION" section contains:

- Enable Microsoft-Recommended One Click Office 365 Configuration: checked
- Enable Office 365 Tenant Restriction: unchecked

Below these are "Allow" and "Block" buttons for Skype. At the bottom of the main panel are "Save" and "Cancel" buttons. A blue circular icon with a gear and a question mark is in the bottom right corner of the main panel.

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Slide notes

The **Office 365 Configuration** section is where you can enable the **Microsoft-Recommended One Click Office 365 Configuration** option, and enable and configure **Office 365 Tenant Restrictions** if required.

Slide 44 - Slide 44

The screenshot shows the 'URL & Cloud App Control' section of the Zscaler web interface. On the left is a vertical sidebar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main content area has tabs for 'URL FILTERING POLICY' (selected), 'CLOUD APP CONTROL POLICY', and 'ADVANCED POLICY SETTINGS'. Under 'ADVANCED URL FILTERING OPTIONS', there are several checkboxes: 'Enable Newly Registered Domain Lookup' (checked), 'Enable Dynamic Content Categorization' (checked), 'Enable Embedded Sites Categorization' (unchecked), and 'Enforce SafeSearch' (checked). Below this is a text input field for 'Allowed Domains for Google Apps' with an 'Add Items' button. The 'OFFICE 365 CONFIGURATION' section contains checkboxes for 'Enable Microsoft-Recommended One Click Office 365 Configuration' (checked) and 'Enable Office 365 Tenant Restriction' (unchecked). Under 'Skype', there are 'Allow' and 'Block' buttons. At the bottom are 'Save' and 'Cancel' buttons, and a status bar showing 'Copyright©2007-2018 Zscaler Inc. All rights reserved. | Version 5.6 | Patents' and 'Weblog Time: 11/6/2018 8:52:56 AM Last Updated: 11/6/2018 8:53:03 AM'.

Slide notes

You also have the option to **Block** or **Allow** Skype traffic. Be sure to **Save** and **Activate** any changes you make on this page.

Slide 45 - Slide 45

The screenshot shows the Zscaler web interface for configuring URL & Cloud App Control Policy. The left sidebar includes icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main content area has a header "URL & Cloud App Control" and a sub-header "Configure URL & Cloud App Control Policy". It states: "Rules are evaluated in the order specified. Rule evaluation stops at the first match. Cloud app control policies take priority over URL policy. Default policy which is not visible is to allow all." Below this are tabs for "URL FILTERING POLICY", "CLOUD APP CONTROL POLICY" (which is selected), and "ADVANCED POLICY SETTINGS". The "CLOUD APP CONTROL POLICY" tab includes a "Recommended Policy" link. The "ADVANCED URL FILTERING OPTIONS" section contains several checkboxes: "Enable Newly Registered Domain Lookup" (checked), "Enable Dynamic Content Categorization" (checked), "Enable Embedded Sites Categorization" (unchecked), and "Enforce SafeSearch" (checked). There is also a "Allowed Domains for Google Apps" input field with an "Add Items" button. The "OFFICE 365 CONFIGURATION" section includes checkboxes for "Enable Microsoft-Recommended One Click Office 365 Configuration" (checked) and "Enable Office 365 Tenant Restriction" (unchecked). Under "Skype", there are "Allow" and "Block" buttons. At the bottom are "Save" and "Cancel" buttons, and a "Help" icon.

Slide notes

To view Zscaler recommendations for configuring **URL & Cloud App Control** Policy settings, click the **Recommended Policy** link.

Slide 46 - Slide 46

The screenshot shows the Zscaler URL & Cloud App Control Policy configuration interface. A modal window titled "View Recommended URL & Cloud App Control Policy" is open, displaying a recommended policy rule. The rule details are as follows:

- Rule Order:** 2
- Rule Status:** Enabled
- Criteria:**
 - URL Categories: Adult Material, Drugs, Gambling, Illegal or Questionable, Militancy/Hate and Extremism
 - HTTP Requests: All
 - Users: Any
 - Groups: Any
 - Departments: Any
 - Locations: Any
 - Time: Always
 - Protocols: HTTP, HTTPS
- Action:** Web Traffic: Block

The background of the interface shows other policy settings, including:

- ADVANCED URL FILTERING OPTIONS:**
 - Enable Newly Registered Domain Lookup: checked
 - Enable Dynamic Content Categorization: checked
 - Enable Embedded Sites Categorization: unchecked
 - Enforce SafeSearch: checked
- ALLOWED DOMAINS FOR GOOGLE APPS:** A text input field with an "Add" button.
- OFFICE 365 CONFIGURATION:**
 - Enable Microsoft-Recommended One Click Office 365 Configuration: checked
 - Enable Office 365 Tenant Restriction: unchecked
 - Skype: Allow (radio button selected)
- ADVANCED URL FILTERING OPTIONS:**
 - Enable Dynamic Content Categorization: checked
 - Enable Embedded Sites Categorization: unchecked
 - Enforce SafeSearch: checked
- OFFICE 365 CONFIGURATION:**
 - Enable Microsoft-Recommended One Click Office 365 Configuration: checked
 - Enable Office 365 Tenant Restriction: checked
 - Skype: Allow (radio button selected)

Slide notes

For the **URL & Cloud App Control** Policy Zscaler recommends that you: block all HTTP requests to the **Adult Material, Drugs, Gambling, Illegal or Questionable, Militancy/Hate** and **Extremism** categories; allow Cloud apps depending on your business needs and corporate policy; and that you enable both the **Dynamic Content Categorization**, and **SafeSearch** advanced settings.

We also strongly recommend that you enable the Microsoft Office **One Click** option, and configure **Tenant Restrictions** if necessary. Also, that you **Allow** Skype traffic if it is required.

Slide 47 - Slide 47

The screenshot shows the Zscaler administration interface. The left sidebar is dark-themed and contains several navigation icons: Dashboard, Analytics, Policy, Administration (which is currently selected and highlighted in blue), Activation, and Search. The main content area is light-themed and displays the 'Administration' section of the configuration. It includes sections for Settings, Account Management, Cloud Configuration, Authentication, Administration Controls, Resources, Traffic Forwarding, Access Control, Firewall Filtering, and Data Loss Prevention. A sub-menu under 'Administration' lists 'Authentication Settings', 'User Management', 'Identity Proxy Settings', 'Administrator Management', 'Role Management', 'Audit Logs', and 'Backup & Restore'. The URL in the browser bar is https://admin.zscalerone.net/#administration/my-profile.

Slide notes

As you will recall, by default the **Cloud App Control** rules take precedence over the **URL Filtering** rules, and if a **Cloud App Control** rule is matched, no further rule evaluation takes place. However, you have the option to allow cascading to the **URL Filtering** rules even if there is a Cloud app match. To enable this option, from the **Administration** menu, click **Advanced Settings**

Slide 48 - Slide 48

The screenshot shows the 'Advanced Settings' page within the Zscaler web interface. On the left, a vertical sidebar lists navigation options: Dashboard, Analytics, Policy, Administration, Activation, and Search. The main content area is titled 'Advanced Settings' and contains several configuration sections:

- ADMIN RANKING**: A section with a checked checkbox labeled 'Enable Admin Ranking'.
- ADVANCED WEB APP CONTROL OPTIONS**: A section with a checked checkbox labeled 'Allow Cascading to URL Filtering'.
- ADMIN UI SESSION TIMEOUT**: A section where the 'Session Timeout Duration (In Minutes)' is set to 30.
- AUTHENTICATION EXEMPTIONS**:
 - 'Exempted URL Categories': A dropdown menu showing 'None'.
 - 'Exempted URLs': An input field with a placeholder and a 'Add Items' button.
 - 'Exempted Applications': A dropdown menu showing 'None'.
- SSL EXEMPTIONS**: A section with an unchecked checkbox labeled 'Enable policies for SSL global exempted domains'.
- KERBEROS AUTHENTICATION EXEMPTION**:
 - 'Exempted URL Categories': A dropdown menu showing 'None'.
 - 'Exempted URLs': An input field.

At the bottom of the page, there are 'Save' and 'Cancel' buttons, and a blue circular icon with a white 'i' symbol.

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Slide notes

and enable the **Allow Cascading to URL Filtering** option, and **Save** the change.

Slide 49 - Slide 49

The screenshot shows the Zscaler One console interface. The left sidebar contains several sections:

- Dashboard**: Includes icons for My Profile, Company Profile, Alerts, and Print All Policies.
- Cloud Configuration**: Includes Nolog Streaming Service, Advanced Settings, ICAP Settings, and Partner Integrations.
- Authentication**: Includes Authentication Settings, User Management, Identity Proxy Settings, Administrator Management, Role Management, Audit Logs (NEW), and Backup & Restore.
- Resources**: Includes Traffic Forwarding (Locations, VPN Credentials, Hosted PAC Files, eZ Agent Configurations, SecurAgent Notifications), Access Control (URL Categories, Bandwidth Classes, Time Intervals, End User Notifications), Firewall Filtering (Network Services, Network Applications, IP & FQDN Groups), and Data Loss Prevention (DLP Dictionaries & Engines, DLP Notification Templates).
- Activation**: Shows a progress bar.
- Search**: A search bar.

A large, empty white area is visible on the right side of the screen, likely a placeholder for content or a modal window.

Slide notes

To manage those URL categories, click the **Resources** option in the side bar menu then click **URL Categories**.

Slide 50 - Slide 50

The screenshot shows the Zscaler URL Categories interface. On the left is a dark sidebar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area has a header "URL Categories" with buttons for "Add", "Expand All", "Collapse All", and a search bar. Below is a table with three columns: "Name", "Custom URLs", and "URLs retaining parent category". A fourth column for "Custom Keywords" is partially visible.

Name	Custom URLs	URLs retaining parent category	Custom Keywords
Bandwidth Loss			
Entertainment/Recreation	---	---	0 / 2
Entertainment	---	---	2 / 2
Music	---	---	2 / 2
Other Entertainment/Recreation	---	---	2 / 2
Radio Stations	---	---	2 / 2
Streaming Media	---	---	2 / 2
Television/Movies	---	---	2 / 2
News and Media			
News and Media	---	---	2 / 2
User-Defined			
User-Defined	---	---	2 / 2
Business Use			
Business and Economy	---	---	0 / 2
Classifieds	---	---	2 / 2
Corporate Marketing	---	---	2 / 2
Finance	---	---	2 / 2
Other Business and Economy	---	---	2 / 2
Professional Services	---	---	2 / 2
Education			
Continuing Education/COLLEGES	---	---	2 / 2

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Slide notes

Here you will find all of the URL **Classes**, **Super-Categories**, and **Categories** that have been defined by Zscaler. On this page, you can add categories, edit the existing super-categories or categories, or even move a super-category under a different class.

For example, if your organization is in the gambling industry, you may wish to move whole **Gambling** super-category under the **Business** class. For categories, you can enter custom URLs and keywords to classify sites.

Slide 51 - Slide 51

URL Categories

Name	Custom URLs	URLs retaining parent category	Custom Keywords
Entertainment/Recreation	0 / 2
Entertainment	1 / 2
Music	1 / 2
Other Entertainment/Recreation	1 / 2
Radio Stations	1 / 2
Streaming Media	1 / 2
Television/Movies	1 / 2
News and Media	0 / 2
News and Media	1 / 2
User-Defined	0 / 2
User-Defined	1 / 2
Business Use			
Business and Economy	0 / 2
Classifieds	1 / 2
Corporate Marketing	1 / 2
Finance	1 / 2
Other Business and Economy	1 / 2
Professional Services	1 / 2
Education	0 / 2
Continuing Education/COLLEGES	1 / 2

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Slide notes

You can add up to 25,000 custom URLs (across all categories), and up to 48 custom categories. You can add up to 256 keywords per category, and up to 1,000 across all categories. To add a URL category, click the **Add** option at the top, or against the preferred super-category.

Slide 52 - Slide 52

The screenshot shows the Zscaler URL Categories interface. On the left is a sidebar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area is titled 'URL Categories' and shows a tree view of categories like 'Entertainment/Recreation', 'Business Use', and 'Education'. A modal window titled 'Add URL Category' is open in the center. It has fields for 'Name' (Safemarch), 'URL Super Category' (User-Defined selected from a dropdown menu), 'Custom URLs', 'URLs retaining parent category' (User-Defined selected from a dropdown menu), 'Custom Keywords', and a 'Description' field. At the bottom are 'Save' and 'Cancel' buttons.

Slide notes

Give the new URL category a **Name**, then if necessary select the correct super-category to list it under.

Slide 53 - Slide 53

The screenshot shows the 'URL Categories' section of the Zscaler web access control interface. On the left, a sidebar lists various policy categories: Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area displays a hierarchical list of URL categories under 'Bandwidth Loss'. The 'Entertainment/Recreation' category is expanded, showing sub-categories like Entertainment, Music, Other Entertainment/Recreation, Radio Stations, Streaming Media, and Television/Movies. Below this is the 'News and Media' category, followed by 'User-Defined' and 'Business Use'. The 'Business Use' category is expanded, showing 'Business and Economy' and 'Education'. Under 'Business and Economy', there are sub-categories like Classifieds, Corporate Marketing, Finance, and Other Business and Economy. Under 'Education', there is 'Continuing Education/COLLEGES'. A modal window titled 'Add URL Category' is open in the center. It contains fields for 'Name' (set to 'Safemarch') and 'URL Super Category' (set to 'User-Defined'). There are three sections for adding items: 'Custom URLs' (containing 'safemarch.com'), 'URLs retaining parent category' (empty), and 'Custom Keywords' (containing 'Corporate' and 'Safemarch'). At the bottom of the modal are 'Save' and 'Cancel' buttons.

Slide notes

Configure the category as necessary, by adding: **Custom URLs**; ‘URLs retaining parent category’ (which are URLs that already exist in another category, and you want to copy them rather than move them to this category); and **Custom Keywords**. Then click **Save**.

Slide 54 - Slide 54

The screenshot shows the 'URL Categories' section of the Zscaler web access control interface. On the left is a vertical navigation bar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area has a header 'URL Categories' with a save message 'All changes have been saved.' and a search bar. Below is a table with three columns: 'Name', 'Custom URLs', and 'URLs retaining parent category'. A fourth column 'Custom Keywords' is present in some rows. The categories listed are:

Name	Custom URLs	URLs retaining parent category	Custom Keywords
Bandwidth Loss			
Entertainment/Recreation	---	---	0 / 2
Entertainment	---	---	1 / 2
Music	---	---	1 / 2
Other Entertainment/Recreation	---	---	1 / 2
Radio Stations	---	---	1 / 2
Streaming Media	---	---	1 / 2
Television/Movies	---	---	1 / 2
News and Media			
News and Media	---	---	1 / 2
User-Defined			
Safemarch	.safemarch.com	---	Corporate, Safemarch
User-Defined	---	---	1 / 2
Business Use			
Business and Economy	---	---	0 / 2
Classifieds	---	---	1 / 2
Corporate Marketing	---	---	1 / 2
Finance	---	---	1 / 2
Other Business and Economy	---	---	1 / 2
Professional Services	---	---	1 / 2
Education	---	---	0 / 2

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Slide notes

Slide 55 - Slide 55

The screenshot shows the Zscaler URL Categories interface. On the left is a vertical navigation bar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area is titled "URL Categories" and has a search bar at the top with the term "corp". Below the search bar are two tables of URL categories:

Name	Custom URLs	URLs retaining parent category	Custom Keywords
Bandwidth Loss	---	---	---
User-Defined	---	---	---
Safemarch	.safemarch.com	---	Corporate, Safemarch
Business Use	---	---	---
Business and Economy	---	---	---
Corporate Marketing	---	---	---

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Slide notes

You can search by name or keyword to find the new category in the list if necessary. Once you **Activate** these changes, any new URL categories are now available for use within a Policy, any updated categories will be used by any Policy that has them selected in a rule.

Slide 56 - Slide 56

The screenshot shows the Zscaler Administration interface. The left sidebar contains several sections: Dashboard, Analytics, Policy, Administration (selected), Activation, and Search. The main content area displays various configuration tabs such as Settings, Account Management, Cloud Configuration, Authentication, Administration Controls, Resources, Firewall Filtering, and Network Services. A status bar at the bottom indicates the URL as <https://admin.zscalerone.net/#administration/my-profile>.

Slide notes

By default, the Zscaler service *listens* to port 80 for HTTP traffic, port 443 for HTTPS traffic, port 53 for DNS traffic, and port 21 for FTP traffic. If you wish to enable the service to listen for these protocols on non-standard ports, you must enable this on the **Advanced Settings** page. From the **Administration** menu, click **Advanced Setting**.

Slide 57 - Slide 57

The screenshot shows the 'Advanced Settings' page of the Zscaler interface. On the left is a vertical navigation bar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main content area is titled 'Advanced Settings'.

- Block tunneling to non-HTTP/HTTPS ports:** A checkbox is checked.
- SERVICES FORWARDED TO HTTP WEB PROXY:**
 - HTTP Services:** A dropdown menu shows 'HTTP' selected.
 - HTTPS Services:** A dropdown menu shows 'HTTPS' selected.
- SERVICES APPLICABLE TO DNS TRANSACTION POLICIES:**
 - DNS Services:** A dropdown menu shows 'DNS' selected.
- SERVICES FORWARDED TO FTP PROXY:**
 - FTP Services:** A dropdown menu shows 'FTP' selected.
- AUTO PROXY FORWARDING FOR NON-DEFINED PORTS:**
 - HTTP:** A checkbox is checked.
 - HTTPS:** A checkbox is checked.
 - FTP:** A checkbox is checked.
 - DNS:** A checkbox is checked.
- OFFICE 365 ONE CLICK EXCEPTION CONFIGURATION:**
 - Enable Office 365 One Click Configuration:** A checkbox is checked.
- SETTINGS FOR DNS OPTIMIZATION NEW:**
 - Optimize DNS Resolution:** A checkbox is checked.

At the bottom are 'Save' and 'Cancel' buttons, and a blue circular icon with a white 'i'.

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Slide notes

Scroll down to the bottom of the page

Slide 58 - Slide 58

The screenshot shows the 'Advanced Settings' page of the Zscaler web interface. On the left is a vertical navigation bar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main content area is titled 'Advanced Settings'.

- Block tunneling to non-HTTP/HTTPS ports:** A checkbox is checked.
- SERVICES FORWARDED TO HTTP WEB PROXY:**
 - HTTP Services:** A dropdown menu shows 'HTTP' selected.
 - HTTPS Services:** A dropdown menu shows 'HTTPS' selected.
- SERVICES APPLICABLE TO DNS TRANSACTION POLICIES:**
 - DNS Services:** A dropdown menu shows 'DNS' selected.
- SERVICES FORWARDED TO FTP PROXY:**
 - FTP Services:** A dropdown menu shows 'FTP' selected.
- AUTO PROXY FORWARDING FOR NON-DEFINED PORTS:** A row of checkboxes for HTTP, HTTPS, FTP, and DNS, all of which are checked.
- OFFICE 365 ONE CLICK EXCEPTION CONFIGURATION:**
 - Enable Office 365 One Click Configuration:** A checkbox is checked.
- SETTINGS FOR DNS OPTIMIZATION** (NEW):
 - Optimize DNS Resolution:** A checkbox is checked.
- Action Buttons:** 'Save' and 'Cancel' buttons at the bottom left, and a 'Print' icon at the bottom right.

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Slide notes

and enable the **Auto Proxy Forwarding for Non-defined Ports** option for the protocols you need to support on non-standard ports. Then **Save** your setting

Slide 59 - Slide 59

The screenshot shows the 'Advanced Settings' page of the Zscaler Policy Web Access Control interface. The left sidebar includes icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main content area has a header 'All changes have been saved.' with a close button. It contains several sections:

- ADMIN RANKING**: A section with a checked checkbox labeled 'Enable Admin Ranking'.
- ADVANCED WEB APP CONTROL OPTIONS**: A section with a checked checkbox labeled 'Allow Cascading to URL Filtering'.
- ADMIN UI SESSION TIMEOUT**: A section with a text input field set to '30'.
- AUTHENTICATION EXEMPTIONS**:
 - 'Exempted URL Categories': A dropdown menu showing 'None'.
 - 'Exempted URLs': An input field with a placeholder and a 'Add Items' button.
 - 'Exempted Applications': A dropdown menu showing 'None'.
- SSL EXEMPTIONS**: A section with an unchecked checkbox labeled 'Enable policies for SSL global exempted domains'.
- KERBEROS AUTHENTICATION EXEMPTION**:
 - 'Exempted URL Categories': A dropdown menu showing 'None'.
 - 'Exempted URLs': An input field.

At the bottom are 'Save' and 'Cancel' buttons, and a blue circular icon with a white 'i'.

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Slide notes

Slide 60 - Slide 60

The screenshot shows the Zscaler Policy Web Access Control interface. On the left, there is a dark sidebar with various icons and labels: Dashboard, Analytics, Policy, Administration, Activation, and Search. The 'Activation' icon is highlighted with a blue background. The main content area has a light gray background. At the top, it says 'MY ACTIVATION STATUS' and 'Editing'. Below that, 'CURRENTLY EDITING (1)' shows 'admin@training5.zulmash.com'. Under 'QUEUED ACTIVATIONS (0)', it says 'None'. There is a checkbox labeled 'Force Activate' followed by a large blue 'Activate' button. A progress bar below the activation button indicates '0% completed (0 minutes)'. In the center, there is a section titled 'EXEMPTION' with a blue 'Add Items' button. At the bottom right, there is a blue circular icon with a white question mark. At the very bottom of the page, there is a black footer bar with small white text.

Slide notes

and be sure to **Activate** your changes.

Slide 61 - Slide 61

The screenshot shows the 'Advanced Settings' page of the Zscaler Policy Web Access Control interface. The left sidebar includes icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main content area has a header 'Activation Completed!' with a close button. It contains several sections:

- ADMIN RANKING**: A section with a checked checkbox labeled 'Enable Admin Ranking'.
- ADVANCED WEB APP CONTROL OPTIONS**: A section with a checked checkbox labeled 'Allow Cascading to URL Filtering'.
- ADMIN UI SESSION TIMEOUT**: A section with a text input field set to '30'.
- AUTHENTICATION EXEMPTIONS**:
 - Exempted URL Categories: A dropdown menu showing 'None'.
 - Exempted URLs: An input field with a placeholder and a 'Add Items' button.
 - Exempted Applications: A dropdown menu showing 'None'.
- SSL EXEMPTIONS**: A section with an unchecked checkbox labeled 'Enable policies for SSL global exempted domains'.
- KERBEROS AUTHENTICATION EXEMPTION**:
 - Exempted URL Categories: A dropdown menu showing 'None'.
 - Exempted URLs: An input field.

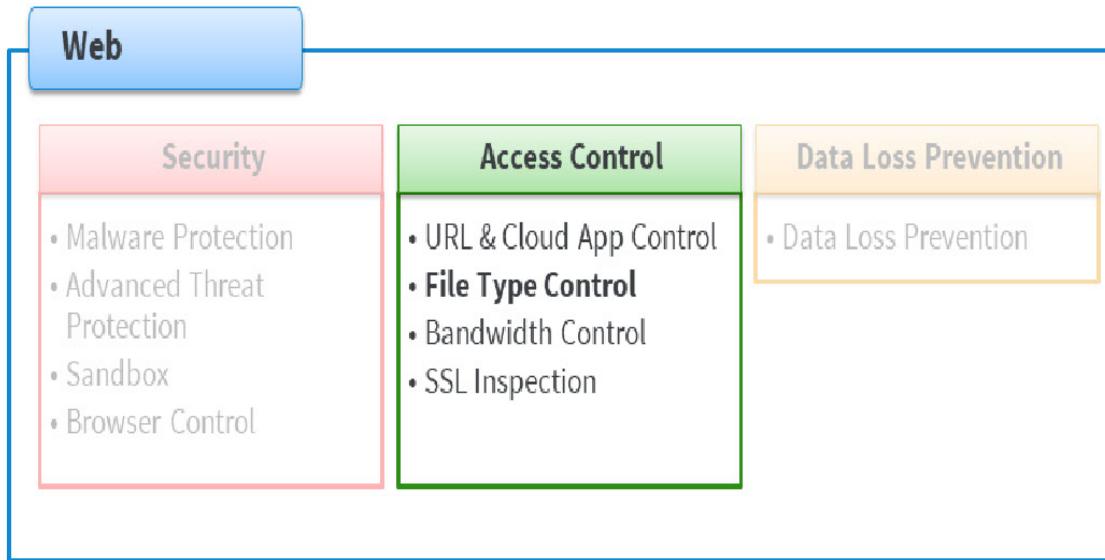
At the bottom are 'Save' and 'Cancel' buttons, and a blue circular icon with a white 'i'.

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Slide notes

Slide 62 - Web Policy Areas

Web Policy Areas

**Slide notes**

The **File Type Control** Policy allows you to create filtering rules to **Block**, **Allow**, or allow with a **Caution**, the ability to download or upload specified types of files.

Slide 63 - Slide 63

The screenshot shows the Zscaler Admin UI interface. The left sidebar has a dark theme with various icons and sections:

- Web**: Includes Malware Protection, Advanced Threat Protection, Sandbox, Browser Control, URL & Cloud App Control, File Type Control, Bandwidth Control, and SSL Inspection.
- Data Loss Prevention**: Includes Data Loss Prevention.
- Mobile**: Includes ZSCALER APP CONFIGURATION, Zscaler App Portal, SECURITY, Mobile Malware Protection, and ACCESS CONTROL (Mobile App Store Control).
- Firewall Filtering**: Includes Firewall Control, DNS Control, and FTP Control.
- Search**: Includes a search bar and a help icon.

The main content area is titled "Malware Protection" and shows a "Recommended Policy". At the bottom of the page, the URL <https://admin.zscalerone.net/#policy/web/malware-protection> is visible.

Slide notes

Slide 64 - Slide 64

The screenshot shows the Zscaler Policy Web Access Control interface. On the left is a vertical navigation bar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area is titled "File Type Control" and contains a sub-section titled "Configure File Type Control Policy". It has two checkboxes: "Enable Policy Information" (checked) and "Disable Policy Information". Below this is a table header with columns: Rule Order, Admin Rank, Rule Name, Criteria, Action, Description, and a three-dot menu. A blue link "Add File Type Control Rule" is located above the table. A search bar with placeholder text "Search..." and a magnifying glass icon is at the top right. A message "No matching items found" is displayed below the table. At the bottom of the interface is a footer bar with the text "Copyright©2007-2018 Zscaler Inc. All rights reserved. | Version 5.6 | Patents" and a blue circular icon with a gear and a checkmark.

Slide notes

File Type Control is pretty straightforward, it allows you to block the upload, download, or both, of specific file types from some or all URL categories. To add a rule, click the **Add File Type Control Rule** link.

Slide 65 - Slide 65

The screenshot shows the Zscaler Policy Web Access Control interface. On the left, there's a sidebar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area is titled 'File Type Control' and says 'Configure File Type Control Policy'. It notes that rules are evaluated in order specified and stops at first match. There are tabs for 'Add File Type Control Rule', 'Rule Order', 'Admin Rank', and 'Rule Name'. The 'Add File Type Control Rule' modal is open, showing the following configuration:

- FILE TYPE CONTROL RULE**
 - Rule Order: 1
 - Admin Rank: 7
 - Rule Name: File_Type_1
 - Rule Status: Enabled
- CRITERIA**
 - File Types: None
 - URL Categories: Any
 - Users: Any
 - Groups: Any
 - Departments: Any
 - Locations: Any
 - Time: Always
 - Protocols: FTP over HTTP; HTTP; HTTPS; Native FTP
- ACTION**
 - Action: Allow
 - Upload/Download: Download
- DESCRIPTION**: An empty text area.

At the bottom of the modal are 'Save' and 'Cancel' buttons.

Slide notes

As with the **Cloud App Control** and **URL Filtering** rules, you can manage **Rule Order**, **Admin Rank**, **Rule Name**, and **Rule Status** at the top.

Slide 66 - Slide 66

Slide notes

Select the target **File Types** that this rule is to apply to. The **File Types** supported are classified by the following categories: **Archive** (with detection of suspicious embedded script files), **Audio**, **Executable**, **Image** (including .3dm, .dicom, and .tiff/.tif files), **Microsoft Office** (which includes their macro-enabled file formats), **Mobile**, **Other Documents** (including Autodesk .ipt files), **Video**, and **Web Content**.

Slide 67 - Slide 67

The screenshot shows the Zscaler Policy Web Access Control interface. On the left, there's a sidebar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area is titled "File Type Control" and has a sub-section "Configure File Type Control Policy". It says "Rules are evaluated in the order specified. Rule evaluation stops at first match." Below this are buttons for "Add File Type Control Rule", "Rule Order", "Admin Rank", and "Rule Name". The "FILE TYPE CONTROL RULE" section contains fields for "Rule Order" (set to 1) and "Admin Rank" (set to 7). The "Rule Name" is "File_Type_1" and the "Rule Status" is "Enabled". The "CRITERIA" section includes "File Types" (set to "TZip Archive; BZIP2 (bz, bz2); Cab Archi...") and "URL Categories" (set to "Any"). A modal window titled "URL Categories" is open, showing a list of categories. The "Unselected Items" list includes "Health", "Illegal or Questionable", and "Anonymizer". The "Selected Items (7)" list includes "Anonymizer", "Computer Hacking", "Copyright Infringement", "Mature Humor", "Other illegal or Questionable", "Profanity", and "Questionable". At the bottom of the modal are "Done" and "Cancel" buttons.

Slide notes

You also have the option to specify target **URL Categories**

Slide 68 - Slide 68

The screenshot shows the Zscaler Policy Web Access Control interface. On the left, there's a sidebar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area is titled "File Type Control" and contains a sub-section "Configure File Type Control Policy" with the note "Rules are evaluated in the order specified. Rule evaluation stops at first match." Below this is a table with columns "Rule Order", "Admin Rank", "Rule Name", and "Description". A button "+ Add File Type Control Rule" is visible. A modal window titled "Add File Type Control Rule" is open in the center. It has several sections: "FILE TYPE CONTROL RULE" (Rule Order: 1, Admin Rank: 7, Rule Name: File_Type_1, Rule Status: Enabled); "CRITERIA" (File Types: TZip Archive; BZIP2 (bz, bz2); Cab Archi..., URL Categories: Anonymizer; Computer Hacking; Copyrig...); "ACTION" (Action: Allow, Upload/Download: Upload/Download); and "DESCRIPTION" (a large empty text area). At the bottom of the modal are "Save" and "Cancel" buttons.

Slide notes

as well as the **Users, Groups, Departments, Locations, Time, and Protocols** criteria.

Slide 69 - Slide 69

The screenshot shows the Zscaler Policy Web Access Control interface. On the left, there's a sidebar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area is titled 'File Type Control' and contains a sub-section 'Configure File Type Control Policy' with the note 'Rules are evaluated in the order specified. Rule evaluation stops at first match.' Below this are buttons for 'Add File Type Control Rule', 'Rule Order', 'Admin Rank', and 'Rule Name'. The central part of the screen is a modal window titled 'Add File Type Control Rule'.

FILE TYPE CONTROL RULE

Rule Order	Admin Rank
1	7

CRITERIA

File Types	URL Categories
TZip Archive; BZIP2 (bz, bz2); Cab Archi...	Anonymizer; Computer Hacking; Copyrig...
Users	Groups
Any	Any
Departments	Locations
Any	Any
Time	Protocols
Always	FTP over HTTP; HTTP; HTTPS; Native FTP

ACTION

Action	Upload/Download
Allow	Download

DESCRIPTION

Download
Upload
Upload/Download

Buttons: Save, Cancel

Slide notes

Then specify the **Action** to be taken if the rule is matched, the options are; **Allow**, **Caution**, or **Block**. You must of course specify the direction in which to apply the rule; **Download**, **Upload**, or both. Click **Save** when you are done configuring the rule

Slide 70 - Slide 70

The screenshot shows the Zscaler Policy Web Access Control interface. On the left, there is a vertical sidebar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area is titled "File Type Control" and contains a message "All changes have been saved." Below this, it says "Configure File Type Control Policy" with a note that rules are evaluated in the order specified and stop at first match.

A table lists a single rule:

Rule Order	Admin Rank	Rule Name	Criteria	Action	Description	⋮
1	7	File_Type_1	<small>FILE TYPES BZIP2 (bz, bz2); ISO Archive (iso); TAR (tgz, gtar, tar); Stuffit Archive (stuffit_sit, stu...</small> <small>URL CATEGORIES Other Illegal or Questionable; Copyright Infringement; Computer Hacking; Questio...</small> <small>PROTOCOLS FTP over HTTP; Native FTP; HTTPS; HTTP</small>	<small>Allow Upload/Download</small>		<small>edit</small> <small>info</small>

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Slide notes

Slide 71 - Slide 71

The screenshot shows the Zscaler Policy Web Access Control interface. On the left, there's a sidebar with icons for Dashboard, Analytics, Policy (selected), Administration, Activation, and Search. The main area has a header "MY ACTIVATION STATUS" with "Editing" highlighted. It shows "CURRENTLY EDITING (1)" and the email "admin@training0.safenash.com". Below this, it says "QUEUED ACTIVATIONS (0)" with "None" listed. A "Force Activate" checkbox is checked, and a blue "Activate" button is visible. The main content area displays a table of policy rules:

Rank	Rule Name	Criteria	Action	Description	⋮
	File_Type_1	<p>FILE TYPES BZIP2 (bz, bz2); ISO Archive (iso); TAR (tgz, gtar, tar); Stuffit Archive (stuffit_sit, stu...)</p> <p>URL CATEGORIES Other Illegal or Questionable; Copyright Infringement; Computer Hacking; Questionable Content; Malware; Phishing; Spam; Spyware; Trojans; Virus; Web Exploit; Web Vulnerability; Web Worm; Worm; Zero Day; Exploit; Exploit Kit; Ransomware; R... PROTOCOLS FTP over HTTP; Native FTP; HTTPS; HTTP</p>	Allow Upload/Download		Edit Preview

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Slide notes

and **Activate** your changes.

Slide 72 - Slide 72

The screenshot shows the Zscaler Policy Web Access Control interface. On the left, there is a vertical sidebar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area is titled "File Type Control" and contains a table for configuring file type control rules. The table has columns for Rule Order, Admin Rank, Rule Name, Criteria, Action, Description, and a more options menu. A single rule is listed:

Rule Order	Admin Rank	Rule Name	Criteria	Action	Description	⋮
1	7	File_Type_1	<small>FILE TYPES BZIP2 (bz, bz2); ISO Archive (iso); TAR (tgz, gtar, tar); Stuffit Archive (stuffit_sit, stu...</small> <small>URL CATEGORIES Other Illegal or Questionable; Copyright Infringement; Computer Hacking; Questio...</small> <small>PROTOCOLS FTP over HTTP; Native FTP; HTTPS; HTTP</small>	<small>Allow Upload/Download</small>		<small>Edit</small> <small>Preview</small>

At the bottom of the main area, there is a copyright notice: "Copyright©2007-2018 Zscaler Inc. All rights reserved. | Version 5.6 | Patents".

Slide notes

Slide 73 - Slide 73

The screenshot shows the Zscaler Policy Web Access Control interface. On the left is a dark sidebar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area is titled "File Type Control" and contains a table for configuring rules. The table has columns for Rule Order, Admin Rank, Rule Name, Criteria, Action, Description, and a more options menu. A single rule is listed:

Rule Order	Admin Rank	Rule Name	Criteria	Action	Description	⋮
1	7	File_Type_1	FILE TYPES BZIP2 (bz, bz2); ISO Archive (iso); TAR (tgz, gtar, tar); Stuffit Archive (stuffit_sit, stu... URL CATEGORIES Other Illegal or Questionable; Copyright Infringement; Computer Hacking; Questio... PROTOCOLS FTP over HTTP; Native FTP; HTTPS; HTTP	Allow Upload/Download		

At the top of the main area, there are buttons for "Add File Type Control Rule", "Recommended Policy", and a search bar. At the bottom, there is a copyright notice: "Copyright©2007-2018 Zscaler Inc. All rights reserved. | Version 5.6 | Patents".

Slide notes

The Rules are evaluated in the order listed, and rule evaluation stops at the first match; there is a default **Allow All** rule although this is not visible. To view Zscaler recommendations for configuring **File Type Control** Policy settings, click the **Recommended Policy** link.

Slide 74 - Slide 74

The screenshot shows the Zscaler Policy interface with the 'File Type Control' section selected. A modal window titled 'View Recommended File Type Control Policy' is open, displaying the following configuration:

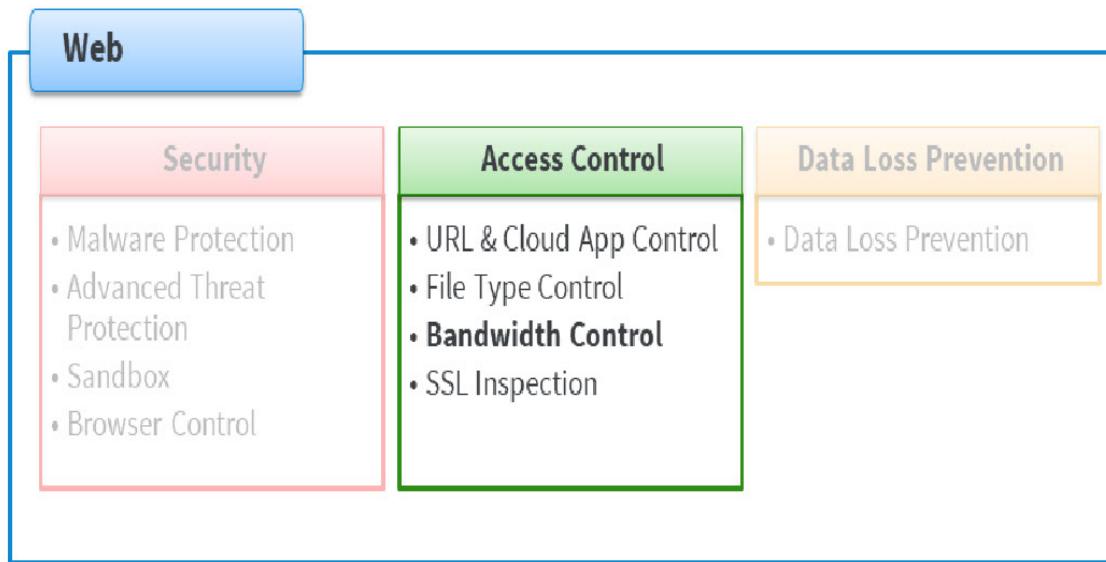
FILE TYPE CONTROL RULE	
Rule Order:	Rule Status:
1	Enabled
CRITERIA	
File Types: Executable	URL Categories: Any
Users: Any	Groups: Any
Departments: Any	Locations: Any
Time: Always	Protocols: Any
ACTION	
Action: Caution	Upload/Download: Download
FILE TYPE CONTROL RULE	
Rule Order:	Rule Status:
2	Enabled
CRITERIA	
File Types: Select all file types	URL Categories: Any
Users: Any	Groups: Any
Departments: Any	Locations: Any
Time: Always	Protocols: Any
ACTION	
Action: Allow	Upload/Download: Download

Slide notes

For the **File Type Control** Policy Zscaler recommends that you configure a first rule with a **Caution** action for the download of executables from all **URL Categories**, and a second rule with an **Allow** policy to download all file types from all **URL Categories**.

Slide 75 - Web Policy Areas

Web Policy Areas

**Slide notes**

The **Bandwidth Control** Policy allows you to create filtering rules to throttle traffic of selected classes, when a link is over-subscribed. The Rules are evaluated in the order listed, and rule evaluation stops at the first match; there is a default unrestricted rule which may be edited if necessary.

You should note that Bandwidth Control is also applied to authentication and SSL traffic that has been otherwise exempted from inspection.

Slide 76 - Slide 76

The screenshot shows the Zscaler Administration interface. On the left is a vertical sidebar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main content area is titled "Bandwidth Classes". At the top of the main area is a navigation bar with tabs: CLOUD APPLICATIONS (selected), LARGE FILES, WEB CONFERENCING APPLICATIONS, and VOIP APPLICATIONS. Below the navigation bar is a search bar with placeholder text "Search...". A button labeled "Add Bandwidth Class" is located above the table. The table has columns: No., Name (with a dropdown arrow), URL Categories, Cloud Applications, Domains, and three vertical ellipsis icons for actions. The data in the table is as follows:

No.	Name	URL Categories	Cloud Applications	Domains	
1	File Share	---	---	.box.net, dropbox.com	
2	Finance	---	---	.netsuite.com	
3	General Surfing	---	---	---	
4	Sales/Support Apps	---	---	---	
5	Streaming Media	---	---	.dailymotion.com, .hulu.com, .metacafe.com, .shoutcast.com, .youtube.com	

Slide notes

Bandwidth Control allows you to set bandwidth thresholds for certain types of usage to make sure that all of a site's bandwidth isn't being chewed up by streaming media or other applications, which are slowing or stopping legitimate traffic. When enabled on a Location, Bandwidth Control is enforced for all uplink and downlink traffic from that Location, regardless of the Zen the traffic uses, as Bandwidth Control functionality is load-balanced across the ZENs.

Bandwidth classes identify the URL categories and applications to which the service allocates bandwidth, and you must configure the bandwidth classes before you can reference them in Bandwidth Control policy rules. You can configure bandwidth classes from the **Administration > Bandwidth Classes** page, on the **CLOUD APPLICATIONS** tab, where you can edit the predefined bandwidth classes or add up to 17 new bandwidth classes.

Click **Add Bandwidth Class** to add a new bandwidth class.

Slide 77 - Slide 77

The screenshot shows the Zscaler Policy Web Access Control interface. On the left, there's a vertical sidebar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area has a header 'Bandwidth Classes' with tabs for CLOUD APPLICATIONS, LARGE FILES, WEB CONFERENCING APPLICATIONS, and VOIP APPLICATIONS. Below this is a table listing five bandwidth classes: File Share, Finance, General Surfing, Sales/Support Apps, and Streaming Media. An 'Add Bandwidth Class' button is visible. A modal window titled 'Add Bandwidth Class' is open in the center. It contains fields for 'Name' (set to 'Custom'), 'URL Categories' (set to 'None'), 'Cloud Applications' (set to 'None'), and a 'Domains' input field containing 'dailymotion.com, .hulu.com, .metacafe.com, .shoutcast.com, .youtube.com'. At the bottom of the modal are 'Save' and 'Cancel' buttons.

Slide notes

Give your new bandwidth class a name, then select the **URL Categories**, and/or the **Cloud Applications** for it to match. If necessary, you can also add **Domains** to the bandwidth class (although only a maximum of 8 may contain custom Domains). These criteria are combined using a logical OR function.

Note that you can have up to 25,000 Domains across all of your bandwidth classes (including the URL Categories).

Slide 78 - Slide 78

The screenshot shows the Zscaler Policy Web Access Control interface. On the left is a dark sidebar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area is titled "Bandwidth Classes" and has tabs for CLOUD APPLICATIONS, LARGE FILES, WEB CONFERENCING APPLICATIONS, and VOIP APPLICATIONS. The LARGE FILES tab is selected. A sub-section titled "LARGE FILES" shows a dropdown menu for "Minimum File Size" with options: 50 MB (selected), 100 MB, 250 MB, 500 MB, and 1 GB. At the bottom of the page, there is a footer bar with the text "Copyright©2007-2018 Zscaler Inc. All rights reserved. | Version 5.6 | Patents" and a blue circular icon.

Slide notes

From the **LARGE FILES** tab, you can choose the minimum file size that will trigger throttling when users attempt to download or upload files that are equal to or greater than the size specified.

Slide 79 - Slide 79

The screenshot shows the 'Bandwidth Classes' section of the Zscaler interface. On the left is a dark sidebar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area has tabs for CLOUD APPLICATIONS, LARGE FILES, WEB CONFERENCING APPLICATIONS (which is selected), and VOIP APPLICATIONS. Under 'WEB CONFERENCING APPLICATIONS', there is a list of applications with checkboxes: WebEx (checked), GotoMeeting (checked), Microsoft Live Meeting (checked), CONNECT (checked), and InterCall (checked). At the bottom are 'Save' and 'Cancel' buttons.

Slide notes

The **WEB CONFERENCING APPLICATIONS** tab allows you to control whether bandwidth control should be applied to the Web conferencing applications listed

Slide 80 - Slide 80

The screenshot shows the Zscaler Policy Web Access Control interface. On the left is a vertical sidebar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area is titled "Bandwidth Classes" and has tabs for CLOUD APPLICATIONS, LARGE FILES, WEB CONFERENCING APPLICATIONS, and VOIP APPLICATIONS. The VOIP APPLICATIONS tab is active, showing a list with "Skype" checked. At the bottom are "Save" and "Cancel" buttons.

Slide notes

and the **VOIP APPLICATIONS** tab allows you to control whether bandwidth control should be applied to the VOIP applications listed.

Slide 81 - Slide 81

The screenshot shows the 'Add Location' dialog box within a web-based management interface. The dialog box is titled 'Add Location' and includes the following sections:

- Group:** Set to 'None'.
- ADDRESSING:** Static IP Addresses set to 'None'.
- GATEWAY OPTIONS:**
 - Enable XFF Forwarding: Checked
 - Enable IP Surrogate: Checked
 - Enforce Surrogate IP for Known Browsers: Checked
 - Enable SSL Scanning: Checked
 - Enforce Authentication: Checked
 - Idle Time to Disassociation: Set to 8 Hours
 - Refresh Time for re-validation of Surrogacy: Set to 4 Hours
 - Enforce Firewall Control: Checked
- BANDWIDTH CONTROL:**
 - Enforce Bandwidth Control: Enabled
 - Sub-locations share the bandwidth value assigned to this location.
 - Download (Mbps): 95
 - Upload (Mbps): 47

At the bottom of the dialog box are 'Save' and 'Cancel' buttons.

Slide notes

Note that you also need to enable the **Enforce Bandwidth Control** option on each of the locations where you want to enforce **Bandwidth Control**. You also need to configure the **Upload (Mbps)** and **Download (Mbps)** bandwidth available for the site.

The values here are for Web traffic only, so you should subtract any bandwidth dedicated for other purposes (such as MPLS connections), plus you should subtract about 5% from the actual bandwidth available, to allow for TCP protocol overhead.

If you are unsure of the values to set here, you can check the **Bandwidth Consumption** Widget filtered for the Location, on the **Bandwidth Control** Dashboard. This will give you an overview of your average and peak consumption values at that Location.

Slide 82 - Slide 82

The screenshot shows the Zscaler Admin UI interface. On the left, a dark sidebar contains various navigation links: Dashboard, Analytics, Policy (which is currently selected and highlighted in blue), Administration, Activation, and Search. The main content area is divided into several sections. At the top, there's a 'Web' section with 'SECURITY' and 'ACCESS CONTROL' tabs, and a 'Data Loss Prevention' section with a 'Recommended Policy' button. Below that is a 'Mobile' section with 'ZSCALER APP CONFIGURATION' and 'SECURITY' tabs, and a 'Mobile App Store Control' section. Further down is a 'Firewall Filtering' section with 'ACCESS CONTROL' and 'Firewall Control' tabs, along with 'DNS Control' and 'FTP Control' options. A URL at the bottom of the sidebar indicates the specific page: <https://admin.zscalerone.net/#policy/web/malware-protection>.

Slide notes

To add or manage bandwidth control policy rules, from the **Policy** menu click **Bandwidth Control**.

Slide 83 - Slide 83

The screenshot shows the Zscaler Policy Web Access Control interface. On the left is a vertical navigation bar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area is titled "Bandwidth Control" and contains a sub-section titled "Configure Bandwidth Control Policy". It states: "Rules are evaluated in the order specified. Rule evaluation stops at first match. Unless otherwise defined, URLs fall into General Browsing by default." Below this is a table titled "Add Bandwidth Control Rule". The table has columns: Rule Order, Admin Rank, Rule Name, Criteria, Action, Description, and three icons for edit, delete, and more. There are three rows: 1. Rule Order 1, Admin Rank 7, Rule Name Streaming Media Bandwidth, Criteria BANDWIDTH CLASSES Streaming Media, Action Bandwidth Limits: 0 - 100%, Description. 2. Rule Order 2, Admin Rank 7, Rule Name Large File Bandwidth, Criteria BANDWIDTH CLASSES Large Files, Action Bandwidth Limits: 0 - 100%, Description. 3. Default, Admin Rank 7, Rule Name Default Bandwidth Control, Criteria Any, Action Bandwidth Limits: 0 - 100%, Description Default Bandwidth Rule. A search bar and a "Recommended Policy" link are also present.

Rule Order	Admin Rank	Rule Name	Criteria	Action	Description	⋮
1	7	Streaming Media Bandwidth	BANDWIDTH CLASSES Streaming Media	Bandwidth Limits: 0 - 100%		
2	7	Large File Bandwidth	BANDWIDTH CLASSES Large Files	Bandwidth Limits: 0 - 100%		
Default	7	Default Bandwidth Control	Any	Bandwidth Limits: 0 - 100%	Description Default Bandwidth Rule	

Slide notes

Default rules exist, although they don't apply any bandwidth restrictions by default, as no Locations have this feature enabled by default. You can edit the default rules, or add a rule by clicking the **Add Bandwidth Control Rule** link.

Slide 84 - Slide 84

The screenshot shows the Zscaler Policy Web Access Control interface. On the left, there's a sidebar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area is titled 'Bandwidth Control' and contains a table of existing rules:

Rule Order	Admin Rank	Rule Name
1	7	Streaming Media Bandwidth
2	7	Large File Bandwidth
Default	7	Default Bandwidth Control

Below the table is a 'Configuring Bandwidth Control Policy' section with a note: 'Rules are evaluated in the order specified. Rule evaluation stops at first match. Unless otherwise defined, URLs fall into General Browsing by default.'

An 'Add Bandwidth Control Rule' dialog is open in the center. It has several sections:

- BANDWIDTH CONTROL RULE**:
 - Rule Order: 3
 - Rule Name: Bandwidth_1
 - Admin Rank: 7
 - Rule Status: Enabled
- CRITERIA**:
 - Bandwidth Classes: Any
 - Locations: Any
 - Time: Always
 - Protocols: FTP over HTTP; HTTP; HTTPS; Native F...
- ACTION**:
 - Min. Bandwidth: 0%
 - Max. Bandwidth: 100%
- DESCRIPTION**: A large text input field.

At the bottom of the dialog are 'Save' and 'Cancel' buttons.

Slide notes

As always, you can manage **Rule Order**, **Admin Rank** (if this feature has been enabled), and **Rule Status** at the top, you must also specify a **Rule Name**.

Slide 85 - Slide 85

The screenshot shows the Zscaler Policy Web Access Control interface. On the left, there's a sidebar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area is titled 'Bandwidth Control' and contains a table of existing rules:

Rule Order	Admin Rank	Rule Name
1	7	Streaming Media Bandwidth
2	7	Large File Bandwidth
Default	7	Default Bandwidth Control

Below the table is a 'Configuring Bandwidth Control Policy' section with a note: 'Rules are evaluated in the order specified. Rule evaluation stops at first match. Unless otherwise defined, URLs fall into General Browsing by default.' A 'Recommended Policy' button and a search bar are also present.

A modal window titled 'Add Bandwidth Control Rule' is open. It has fields for 'Rule Order' (set to 3) and 'Rule Name' (set to 'Bandwidth_1'). Under 'Criteria', there are dropdowns for 'Bandwidth Classes' (set to 'Any') and 'Locations' (set to 'Any'). A detailed configuration pane shows a list of bandwidth classes:

Unselected Items	Selected Items (3)
Search... <input type="text"/>	
AC <input type="checkbox"/> General Surfing	Large Files <input type="checkbox"/>
DE <input checked="" type="checkbox"/> Large Files	VoIP <input type="checkbox"/>
<input type="checkbox"/> Sales/Support Apps	Web Conferencing <input type="checkbox"/>
<input type="checkbox"/> Streaming Media	
DE <input checked="" type="checkbox"/> VoIP	
<input checked="" type="checkbox"/> Web Conferencing	

At the bottom of the modal are 'Done' and 'Cancel' buttons, and a 'Clear Selection' link. Below the modal, there are 'Save' and 'Cancel' buttons.

Slide notes

You must select the **Bandwidth Classes** to apply this rule to, from the classes that are available by default, or that you created earlier.

Slide 86 - Slide 86

The screenshot shows the Zscaler Policy Web Access Control interface. On the left, there's a sidebar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area is titled "Bandwidth Control" and contains a table of existing rules:

Rule Order	Admin Rank	Rule Name
1	7	Streaming Media Bandwidth
2	7	Large File Bandwidth
Default	7	Default Bandwidth Control

A modal window titled "Add Bandwidth Control Rule" is open in the center. It has several sections:

- BANDWIDTH CONTROL RULE**: Fields for "Rule Order" (set to 3), "Rule Name" (set to "Bandwidth_1"), "Admin Rank" (set to 7), and "Rule Status" (set to "Enabled").
- CRITERIA**: Fields for "Bandwidth Classes" (set to "Large Files; VoIP; Web Conferencing"), "Locations" (set to "Any"), "Time" (set to "Always"), and "Protocols" (set to "FTP over HTTP; HTTP; HTTPS; Native F...").
- ACTION**: Fields for "Min. Bandwidth" (set to 0%) and "Max. Bandwidth" (set to 100%).
- DESCRIPTION**: A large text input field.
- Buttons**: "Save" and "Cancel" buttons at the bottom.

In the background, there's a list of bandwidth rules with descriptions like "Rate: 0 - 100%", "Rate: 10 - 100%", and "Rate: 0 - 100% Default Bandwidth Rule".

Slide notes

Set other Criteria for the rule as required, probably the most important to set is the **Locations** that this rule is to apply to. The other options available are **Time** and **Protocols**.

Note that these criteria fields are combined using a logical AND function, and that the time zone that applies here is that specified on the individual Locations.

Slide 87 - Slide 87

The screenshot shows the Zscaler Policy Web Access Control interface. On the left, there's a sidebar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area is titled 'Bandwidth Control' and contains a table of existing rules:

Rule Order	Admin Rank	Rule Name
1	7	Streaming Media Bandwidth
2	7	Large File Bandwidth
Default	7	Default Bandwidth Control

A modal window titled 'Add Bandwidth Control Rule' is open, allowing configuration of a new rule. The 'BANDWIDTH CONTROL RULE' section includes fields for Rule Order (set to 3), Rule Name (Bandwidth_1), Admin Rank (set to 7), and Rule Status (Enabled). The 'CRITERIA' section defines the scope of the rule based on Bandwidth Classes (Large Files; VoIP; Web Conferencing), Locations (Any), Time (Always), and Protocols (FTP over HTTP, HTTP, HTTPS; Native F...). The 'ACTION' section specifies bandwidth limits, with 'Min. Bandwidth' set to 0% and 'Max. Bandwidth' set to 100%. A dropdown menu for 'Min. Bandwidth' shows options from 0% to 20%.

Slide notes

Set the **Min. Bandwidth**, which is the minimum percentage of a location's available bandwidth you want to guarantee for this bandwidth class (both for upload and download).

Note that this setting is only enforced when there is contention on a Location's connection, and when traffic from the specified Bandwidth Classes is present (meaning that this is not a reservation).

Slide 88 - Slide 88

The screenshot shows the Zscaler Policy interface with the 'Bandwidth Control' section active. On the left, there's a sidebar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area displays a table of existing bandwidth control rules:

Rule Order	Admin Rank	Rule Name
1	7	Streaming Media Bandwidth
2	7	Large File Bandwidth
Default	7	Default Bandwidth Control

Below the table is a modal window titled 'Add Bandwidth Control Rule'. It contains the following fields:

- BANDWIDTH CONTROL RULE**
- Rule Order:** 3
- Rule Name:** Bandwidth_1
- Admin Rank:** 7
- Rule Status:** Enabled
- CRITERIA**
- Bandwidth Classes:** Large Files; VoIP; Web Conferencing
- Locations:** Any
- Time:** Always
- Protocols:** FTP over HTTP, HTTP, HTTPS; Native F...
- ACTION**
- Min. Bandwidth:** 0%
- Max. Bandwidth:** 100% (with a dropdown menu showing 80%, 85%, 90%, 95%, and 100%, where 100% is highlighted)
- DESCRIPTION**
- Buttons:** Save, Cancel

Slide notes

Set the **Max. Bandwidth**, which is the maximum percentage of a location's available bandwidth you want to guarantee for this bandwidth class (both for upload and download).

Note that this setting is always applied for the Bandwidth Classes specified, meaning that this traffic can take up to this percentage of the Location's bandwidth at any time that it is required, whether or not there is any contention. This value can be used to cap the bandwidth that an application can consume.

The key concept here is that you will set the policy rules as a percentage of available bandwidth. The amount of bandwidth for a given site is specified when you create a **Location** for it.

Slide 89 - Slide 89

The screenshot shows the Zscaler Policy Web Access Control interface. On the left, there's a sidebar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area is titled "Bandwidth Control" and contains a table of existing rules:

Rule Order	Admin Rank	Rule Name
1	7	Streaming Media Bandwidth
2	7	Large File Bandwidth
Default	7	Default Bandwidth Control

Below the table is a modal window titled "Add Bandwidth Control Rule". It has several sections:

- BANDWIDTH CONTROL RULE**:
 - Rule Order: 3
 - Rule Name: Bandwidth_1
 - Admin Rank: 7
 - Rule Status: Enabled
- CRITERIA**:
 - Bandwidth Classes: Large Files; VoIP; Web Conferencing
 - Locations: Any
 - Time: Always
 - Protocols: FTP over HTTP; HTTP; HTTPS; Native F...
- ACTION**:
 - Min. Bandwidth: 0%
 - Max. Bandwidth: 100%
- DESCRIPTION**: A large text input field.

At the bottom of the modal are "Save" and "Cancel" buttons.

Slide notes

Add a **Description** if necessary, and click **Save** once you are done.

Slide 90 - Slide 90

The screenshot shows the Zscaler Policy Web Access Control interface. On the left, there's a sidebar with icons for Dashboard, Analytics, Policy (selected), Administration, Activation, and Search. The main area has a header with 'MY ACTIVATION STATUS' and 'Editing'. It says 'CURRENTLY EDITING (1)' and shows the email 'admin@training5.zscaler.com'. Below this, it says 'QUEUED ACTIVATIONS (0)' and 'None'. There's a button 'Force Activate' and a large blue button 'Activate'. The main content area displays a table of bandwidth rules:

Rank	Rule Name	Criteria	Action	Description	⋮
	Streaming Media Bandwidth	BANDWIDTH CLASSES Streaming Media	Bandwidth Limits: 0 - 100%		
	Large File Bandwidth	BANDWIDTH CLASSES Large Files	Bandwidth Limits: 0 - 100%		
	Bandwidth_1	BANDWIDTH CLASSES Large Files; Web Conferencing; VoIP PROTOCOLS FTP over HTTP; Native FTP; HTTPS; HTTP; SSL; Tunnel	Bandwidth Limits: 0 - 100%		
	Default Bandwidth Control	Any	Bandwidth Limits: 0 - 100%	Default Bandwidth Rule	

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Slide notes

Slide 91 - Slide 91

The screenshot shows the Zscaler Policy Web Access Control interface. On the left, there's a sidebar with icons for Dashboard, Analytics, Policy (selected), Administration, Activation, and Search. The main area has a header with 'MY ACTIVATION STATUS' and 'Editing'. It says 'CURRENTLY EDITING (1)' and shows the email 'admin@training5.zscaler.com'. Below this, it says 'QUEUED ACTIVATIONS (0)' and 'None'. There's a button to 'Force Activate' and a large blue 'Activate' button. The main content area displays a table of bandwidth rules:

Rank	Rule Name	Criteria	Action	Description	⋮
	Streaming Media Bandwidth	BANDWIDTH CLASSES Streaming Media	Bandwidth Limits: 0 - 100%		
	Large File Bandwidth	BANDWIDTH CLASSES Large Files	Bandwidth Limits: 0 - 100%		
	Bandwidth_1	BANDWIDTH CLASSES Large Files; Web Conferencing; VoIP PROTOCOLS FTP over HTTP; Native FTP; HTTPS; HTTP; SSL; Tunnel	Bandwidth Limits: 0 - 100%		
	Default Bandwidth Control	Any	Bandwidth Limits: 0 - 100%	Default Bandwidth Rule	

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Slide notes

and **Activate** your changes.

Slide 92 - Slide 92

The screenshot shows the Zscaler Policy Web Access Control interface. On the left is a vertical navigation bar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area is titled "Bandwidth Control" and contains a message "Activation Completed!" with an "X" button. Below this is a sub-header "Configure Bandwidth Control Policy" with a note: "Rules are evaluated in the order specified. Rule evaluation stops at first match. Unless otherwise defined, URLs fall into General Browsing by default." A search bar "Search..." and a "Recommended Policy" link are also present.

Table: Bandwidth Control Rules

Rule Order	Admin Rank	Rule Name	Criteria	Action	Description	⋮
1	7	Streaming Media Bandwidth	BANDWIDTH CLASSES Streaming Media	Bandwidth Limits: 0 - 100%		
2	7	Large File Bandwidth	BANDWIDTH CLASSES Large Files	Bandwidth Limits: 0 - 100%		
3	7	Bandwidth_1	BANDWIDTH CLASSES Large Files; Web Conferencing; VoIP PROTOCOLS FTP over HTTP; Native FTP; HTTPS; HTTP; SSL; Tunnel	Bandwidth Limits: 0 - 100%		
Default	7	Default Bandwidth Control	Any	Bandwidth Limits: 0 - 100%	Default Bandwidth Rule	

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Slide notes

Slide 93 - Slide 93

The screenshot shows the Zscaler Policy interface with the 'Bandwidth Control' section selected. The left sidebar includes icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area displays a table of bandwidth control rules:

Rule Order	Admin Rank	Rule Name	Criteria	Action	Description	⋮
1	7	Streaming Media Bandwidth	BANDWIDTH CLASSES Streaming Media	Bandwidth Limits: 0 - 100%		
2	7	Large File Bandwidth	BANDWIDTH CLASSES Large Files	Bandwidth Limits: 0 - 100%		
3	7	Bandwidth_1	BANDWIDTH CLASSES Large Files; Web Conferencing; VoIP PROTOCOLS FTP over HTTP; Native FTP; HTTPS; HTTP; SSL; Tunnel	Bandwidth Limits: 0 - 100%		
Default	7	Default Bandwidth Control	Any	Bandwidth Limits: 0 - 100%	Default Bandwidth Rule	

At the top of the main area, there is a 'Configure Bandwidth Control Policy' section with a note: 'Rules are evaluated in the order specified. Rule evaluation stops at first match. Unless otherwise defined, URLs fall into General Browsing by default.' Below this is a search bar labeled 'Search...' and a 'Recommended Policy' link.

At the bottom of the page, there is a copyright notice: 'Copyright©2007-2018 Zscaler Inc. All rights reserved. | Version 5.6 | [Patents](#)' and a blue circular icon with a white 'Z' logo.

Slide notes

To view Zscaler recommendations for configuring **Bandwidth Control** Policy settings, click the **Recommended Policy** link.

Slide 94 - Slide 94

The screenshot shows the Zscaler Policy interface under the 'Bandwidth Control' section. A modal window titled 'View Recommended Bandwidth Control Policy' is open, displaying configuration details for a URL filtering rule. The rule has a 'Rule Order: 1' and is 'Enabled'. It applies to 'Bandwidth Classes: Any' and 'Locations: Any' with a 'Time: Always'. The action is set to 'Min. Bandwidth: 0%' and 'Max. Bandwidth: 100%'. In the background, a table lists four bandwidth control rules:

Rule Order	Admin Rank	Rule Name	Criteria	Action	Description
1	7	Streaming Media Bandwidth	BANDWIDTH CLASSES Streaming Media	Bandwidth Limit: 0 - 100%	
2	7	Large File Bandwidth		Bandwidth Limit: 0 - 100%	
3	7	Bandwidth_1		Bandwidth Limit: 0 - 100%	
Default	7	Default Bandwidth Control		Default Bandwidth Rule	

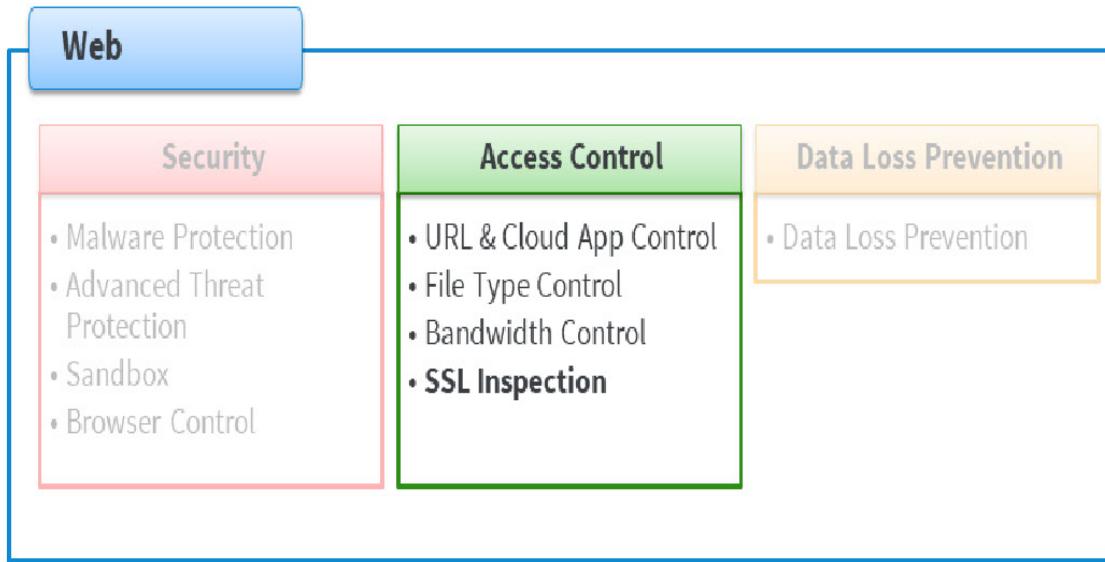
Slide notes

For the **Bandwidth Control** Policy Zscaler recommends: that you guarantee productivity applications a certain amount of bandwidth (for example, you can set the minimum bandwidth to 50%); that you restrict large file downloads to a maximum of 50% of the available bandwidth; and that you allocate the rest of the bandwidth to all other traffic.

For more details on **Bandwidth Control**, see the module on this topic in the ZCCP materials.

Slide 95 - Web Policy Areas

Web Policy Areas

**Slide notes**

One of the most important decisions you will need to make for your organization is whether to have the Zscaler service intercept and inspect SSL traffic. More and more sites are moving to SSL; Google, Facebook, Twitter, and most recently WhatsApp all require SSL connections.

This means that if you do not enable **SSL Inspection** you are causing the Zscaler service to be blind to a massive amount of traffic entering and exiting your network. For this reason, we highly recommend enabling **SSL Inspection**.

Slide 96 - Slide 96

The screenshot shows the Zscaler Policy Web Access Control interface. On the left, there's a sidebar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main area is titled 'Locations' and shows a list of locations with columns for No. and Name. A modal window titled 'Add Location' is open in the center. The 'Group' dropdown is set to 'None'. The 'ADDRESSING' section includes 'Static IP Addresses' and 'VPN Credentials', both currently set to 'None'. The 'GATEWAY OPTIONS' section contains several checkboxes: 'Enable XFF Forwarding' (checked), 'Enforce Authentication' (checked), 'Enable IP Surrogate' (checked), 'Idle Time to Disassociation' (set to 8 hours), 'Enforce Surrogate IP for Known Browsers' (checked), 'Refresh Time for re-validation of Surrogacy' (set to 4 hours), 'Enable SSL Scanning' (checked), and 'Enforce Firewall Control' (checked). The 'BANDWIDTH CONTROL' section has an 'Enforce Bandwidth Control' toggle switch set to 'Enable' (blue button). Below it, a note says 'Sub-locations share the bandwidth value assigned to this location'. It shows 'Download (Mbps)' at 95 and 'Upload (Mbps)' at 47. At the bottom of the modal are 'Save' and 'Cancel' buttons.

Slide notes

SSL Inspection is enabled on a per location basis

Slide 97 - Slide 97

The screenshot shows the 'SSL Inspection' configuration page. On the left is a dark sidebar with icons for Dashboard, Analytics, Policy, Administration, Activation, and Search. The main content area has a light gray header: 'Configure SSL Inspection Policy' and 'SSL Inspection is configured on a per location basis with the parameters defined on this page.' Below this is a section titled 'IF SSL INSPECTION IS DISABLED, BLOCK HTTPS TO THESE SITES'. It includes a dropdown for 'Blocked URL Categories' set to 'None', a text input for 'Blocked URLs' with a 'Add Items' button, and a checkbox for 'Show Notifications for Blocked Traffic' which is checked. A 'Recommended Policy' link is in the top right of this section. The next section is 'POLICY FOR SSL DECRYPTION', containing settings for 'Block Undecryptable Traffic' (unchecked), 'Do Not Inspect Sessions to these URL Categories' (dropdown set to 'None'), 'Do Not Inspect Sessions to these Hosts' (text input with 'Add Items' button), 'Do Not Inspect these Applications' (dropdown set to 'None'), 'Untrusted Server Certificates' (radio buttons for 'Allow' and 'Block' with 'Block' selected), and 'Block Site With Revoked Server Certificate' (checkbox checked). The final section is 'POLICY FOR SECUREAGENT', with a setting for 'Enable SSL Scanning for SecureAgent Users' (checkbox checked). A 'Help' icon is in the bottom right corner.

Slide notes

and uses the parameters defined on the **Policy > SSL Inspection** page.

On this page, you can configure an **If SSL Inspection is Disabled, Block HTTPS to these Sites** policy, in other words what policy to apply to SSL traffic if you choose not to inspect SSL. So even if you choose not to terminate and scan SSL traffic, you may still need to configure policy settings for SSL. Here you may: specify URL Categories to block; specify a list of specific URLs to block; and elect whether to show your users a block notification.

Slide 98 - Slide 98

SSL Inspection

Configure SSL Inspection Policy
SSL Inspection is configured on a per location basis with the parameters defined on this page.

IF SSL INSPECTION IS DISABLED, BLOCK HTTPS TO THESE SITES

Blocked URL Categories
None

Blocked URLs
 Add Items

Recommended Policy

Show Notifications for Blocked Traffic

POLICY FOR SSL DECRYPTION

Block Undecryptable Traffic

Do Not Inspect Sessions to these URL Categories
None

Do Not Inspect Sessions to these Hosts
 Add Items

Do Not Inspect these Applications
None

Untrusted Server Certificates
 Allow Block

Block Site With Revoked Server Certificate

POLICY FOR SECUREAGENT

Enable SSL Scanning for SecureAgent Users

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Slide notes

The next section is applicable when you HAVE enabled SSL Inspection, and the first option here is to **Block Undecryptable Traffic**. This is traffic that is using some kind of non-standard encryption type and Zscaler cannot decrypt it. It is generally recommended that you enable this feature unless you know that you have applications using non-standard encryption methods.

When you define policy for **SSL Inspection**, you have the option to configure URL Categories, specific hosts, or Cloud applications that are not to be inspected. Configure this list carefully because it is applied globally throughout the organization and takes precedence over per-location SSL scanning settings.

You might start by enabling **SSL Inspection** for *risky* URL categories only, such as **Security Risk** and **Legal Liability** categories (for example **Adult Content**, **Gambling**, and **Unknown/Miscellaneous**). Include all categories other than those you consider *risky* in the **Do Not Inspect Sessions to these URL Categories/Hosts/Applications** lists, for which SSL transactions will not be decrypted. Then once you are ready, enable **SSL inspection** for all URL Categories; except perhaps **Banking** and **Healthcare**, to allay privacy concerns within your organization.

Other options here include: what do to with connection requests to untrusted servers, meaning those with only a self-signed certificate, whether to **Allow, Pass Through** (the certificate warnings), or **Block**; whether to block sites with a revoked certificate; also whether to **Enable SSL Scanning for Mobile Traffic** (your Zscaler App users).

Slide 99 - Slide 99

The screenshot shows the Zscaler Admin Portal interface under the 'Policy' section. On the left sidebar, there are icons for Dashboard, Analytics, Policy, Administration, Activation, and Search.

SSL Inspection

POLICY FOR SECUREAGENT
Enable SSL Scanning for SecurAgent Users Recommended Policy

POLICY FOR ROAD WARRIOR WITH KERBEROS
Enable SSL Scanning for Road Warriors with Kerberos

POLICY FOR Z APP

Windows: Enabled Disabled

macOS: Enabled Disabled

Android: Enabled Disabled

iOS: Enabled Disabled

INTERMEDIATE ROOT CERTIFICATE AUTHORITY FOR SSL INTERCEPTION

Zscaler's Default Certificate
[Download Zscaler Root Certificate](#)

CSR for Custom Certificate
Not Available | [Generate New CSR](#)

Custom Certificate
Not Available

Chain Certificate
Not Available | [Upload](#)

Actions: Save | Cancel |

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Slide notes

The last item to cover in regards to **SSL Inspection** is the SSL certificates used. Remember that the user will be establishing an SSL connection to Zscaler, and NOT to the server on the original URL, so the SSL certificate that the ZEN presents to the user must be trusted by the user's system. There are 2 ways to achieve this: first, you can download the Zscaler Intermediate Root Certificate, and distribute it to your end user's systems; or second, you can use the custom certificate option.

With the Custom Certificate option, you need to have your company's Root certificate authority generate an Intermediate Certificate, and install it to Zscaler through the admin portal. As your user's systems already trust your company's Root CA, they will then be able to trust certificates coming from Zscaler, since they have been signed by your own Root CA.

Slide 100 - Slide 100

The screenshot shows the 'SSL Inspection' configuration page in the Zscaler web interface. On the left, a vertical sidebar lists navigation options: Dashboard, Analytics, Policy, Administration, Activation, and Search. The main content area is titled 'SSL Inspection'.

POLICY FOR SECUREAGENT
Enable SSL Scanning for SecurAgent Users [Recommended Policy](#)

POLICY FOR ROAD WARRIOR WITH KERBEROS
Enable SSL Scanning for Road Warriors with Kerberos

POLICY FOR Z APP

Platform	Status
Windows	Enabled <input checked="" type="radio"/> Disabled <input type="radio"/>
macOS	Enabled <input checked="" type="radio"/> Disabled <input type="radio"/>
Android	Enabled <input checked="" type="radio"/> Disabled <input type="radio"/>
iOS	Enabled <input checked="" type="radio"/> Disabled <input type="radio"/>

INTERMEDIATE ROOT CERTIFICATE AUTHORITY FOR SSL INTERCEPTION

Zscaler's Default Certificate
[Download Zscaler Root Certificate](#)

CSR for Custom Certificate
Not Available | [Generate New CSR](#)

Custom Certificate
Not Available

Chain Certificate
Not Available | [Upload](#)

[Save](#) [Cancel](#)

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Slide notes

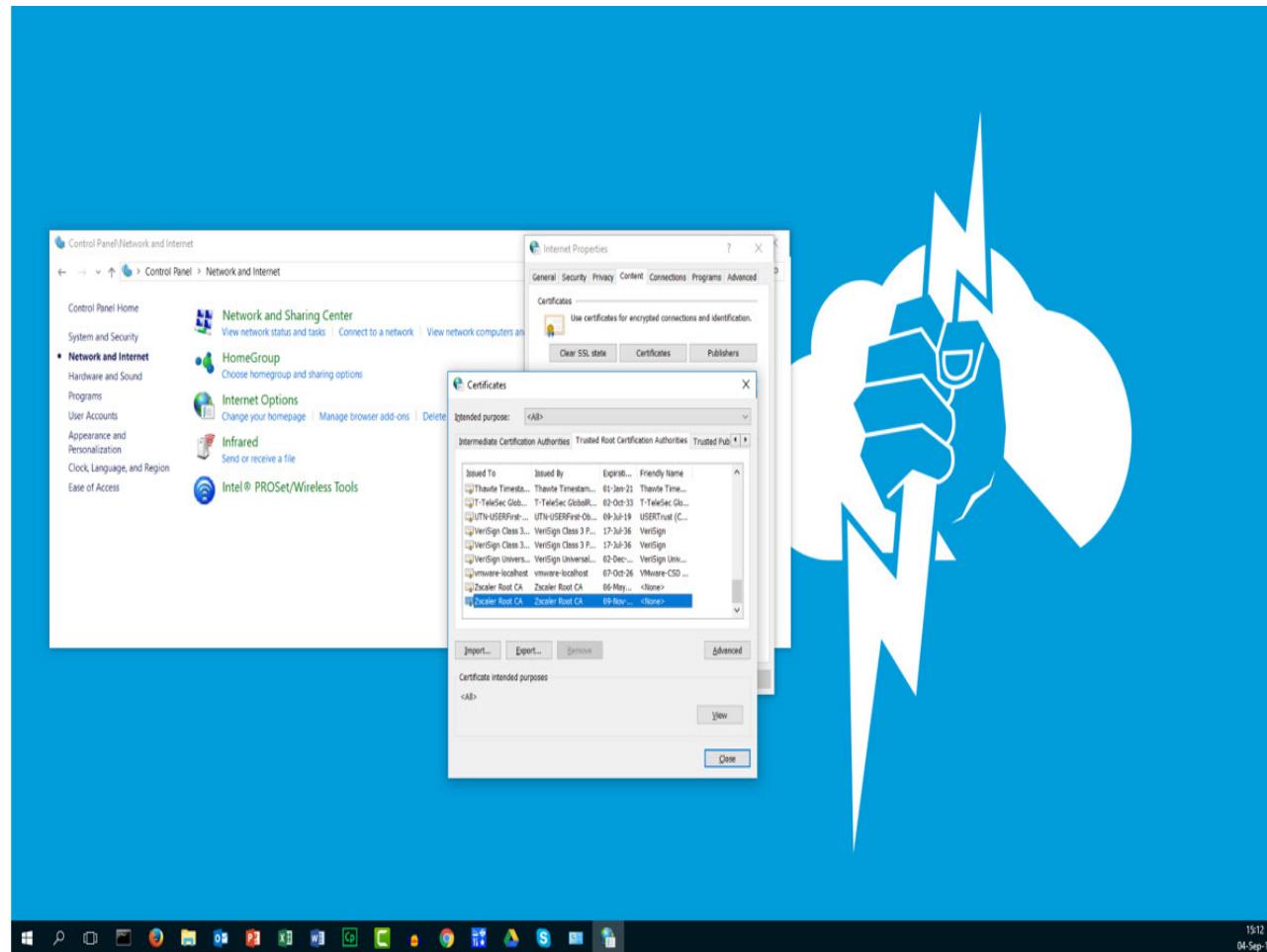
Be sure to **Save** and **Activate** any changes that you make on this page. To view Zscaler recommendations for configuring **SSL Inspection** settings, click the **Recommended Policy** link.

Slide 101 - Slide 101

The screenshot shows the Zscaler SSL Inspection configuration interface. On the left, a sidebar lists navigation options: Dashboard, Analytics, Policy, Administration, Activation, and Search. The main content area is titled "SSL Inspection". It displays three policy sections: "POLICY FOR SECUREAGENT", "POLICY FOR ROAD WARRIOR WITH KERBEROS", and "POLICY FOR Z APP". Under "POLICY FOR Z APP", there are five tabs for different platforms: Windows (Enabled), macOS (Enabled), Android (Enabled), and iOS (Enabled). Below these tabs is a section titled "INTERMEDIATE ROOT CERTIFICATE AUTHORITY FOR SSL INTERCEPTION" which includes links for "Zscaler's Default Certificate" and "CSR for Custom Certificate". A central modal window titled "View Recommended SSL Inspection Policy" provides instructions for configuring SSL inspection policies, mentioning URL categories and SSL interception exceptions.

Slide notes

As there are many options and variables when enabling SSL Inspection, Zscaler cannot provide concrete recommendations. Refer to the on-line documentation for complete configuration guidelines.

Slide 102 - Slide 102**Slide notes**

The Zscaler Root Certificate needs to be installed in the Trusted Root Certificate Authorities store on the end user's systems, which then makes it available for most Browsers.

Slide 103 - Slide 103

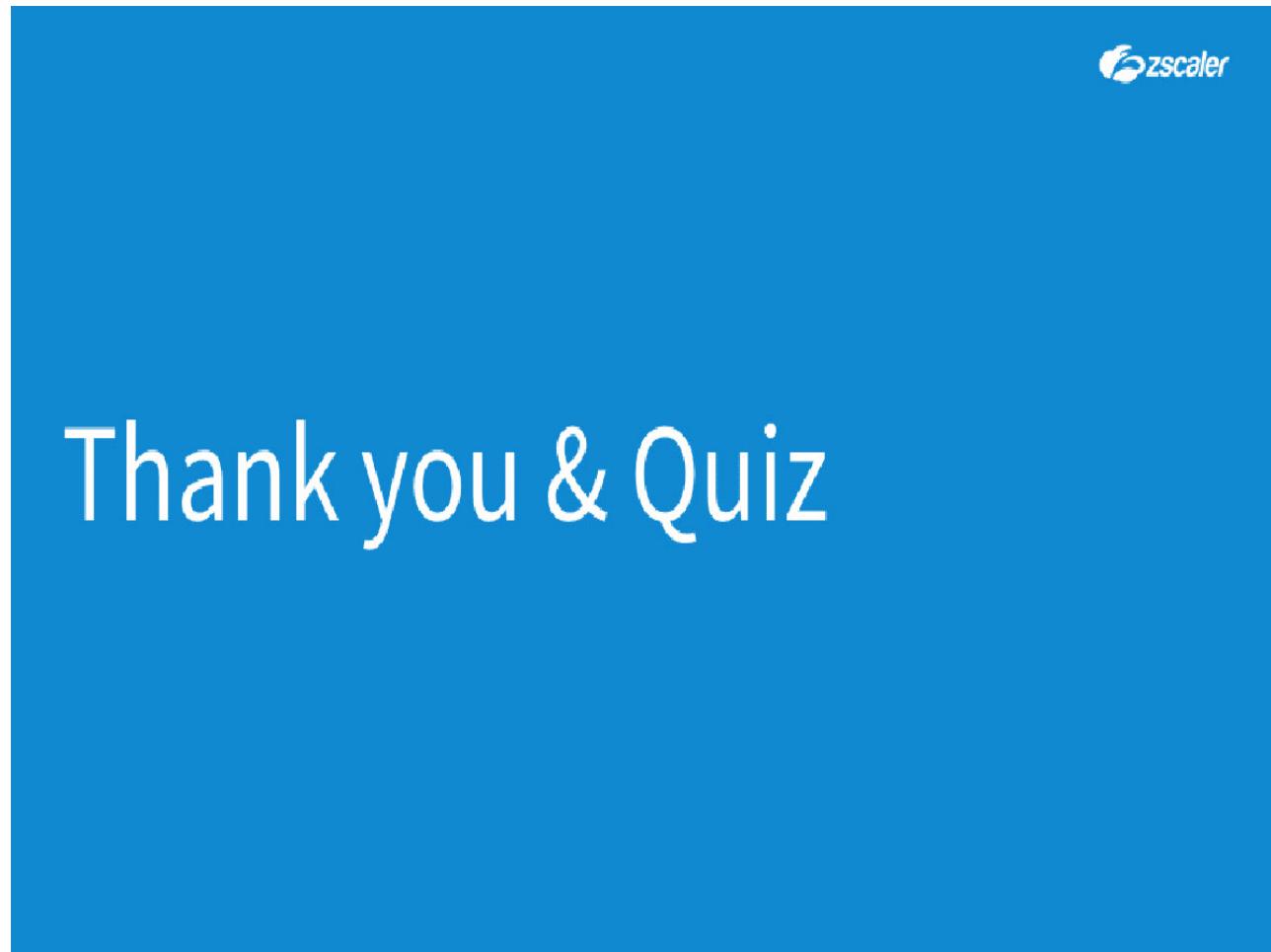
The screenshot shows two overlapping windows. The background window is titled 'Advanced' and contains settings for certificate requests. It has tabs for General, Data Choices, Network, Update, and Certificates, with Certificates selected. Under Requests, it asks 'When a server requests my personal certificate:' with options 'Select one automatically' (radio button) and 'Ask me every time' (radio button). A checked checkbox says 'Query OCSP responder servers to confirm the current validity of certificates'. Below are 'View Certificates' and 'Security Devices' buttons. The foreground window is titled 'Certificate Manager' and lists certificates with columns for Name, Source, and Type. It includes sections for VeriSign, VISA, Wells Fargo, WISeKey, WoSign, XRamp, and Zscaler. The Zscaler section shows 'Zscaler Root CA' (Soft), 'Zscaler Intermediate Root CA (zscalertwo.net)' (Soft), and 'Zscaler Root CA' (Soft). At the bottom are buttons for View..., Edit Trust..., Import..., Export..., and Delete or Distrust... .

Certificate Name	Source	Type
VeriSign Class 3 Public Primary Certification Authority - G3	Built	
VeriSign Class 1 Public Primary Certification Authority	Built	
VeriSign Class 2 Public Primary Certification Authority - G2	Built	
VeriSign Class 3 Public Primary Certification Authority	Built	
VeriSign Class 2 Public Primary Certification Authority - G3	Built	
VeriSign Class 2 Public Primary Certification Authority - G2	Built	
VeriSign Universal Root Certification Authority	Built	
VeriSign Class 3 Secure Server CA - G2	Built	
VeriSign Class 3 International Server CA - G3	Soft	
▼VISA		
Visa eCommerce Root	Built	
▼Wells Fargo WellsSecure		
WellsSecure Public Root Certificate Authority	Built	
▼WISeKey		
OISTE WISeKey Global Root GA CA	Built	
OISTE WISeKey Global Root GB CA	Built	
▼WoSign CA Limited		
Certification Authority of WoSign G2	Built	
Certification Authority of WoSign	Built	
CA 沃通根证书	Built	
CA WoSign ECC Root	Built	
▼XRamp Security Services Inc		
XRamp Global Certification Authority	Built	
▼Zscaler Inc.		
Zscaler Root CA	Soft	
Zscaler Intermediate Root CA (zscalertwo.net)	Soft	
Zscaler Root CA	Soft	

Slide notes

The Firefox Browser does not use the system certificate store however, and the Zscaler Root Certificate must be installed to the Firefox certificate store as well.

Slide 104 - Thank you & Quiz



Slide notes

Thank you for following this Zscaler training module, we hope this module has been useful to you and thank you for your time.

Click the X at top right to close this interface, then launch the quiz to test your knowledge of the material presented during this module. You may retake the quiz as many times as necessary in order to pass.