

Using Location to Distinguish Web Browsers

Overview

When a user logs into the Connection Broker via a Web browser, the choice of which remote viewer to use depends on what each different type of Web browser supports. For example, you can launch Microsoft® ActiveX® RDP when logging in through Microsoft Internet Explorer® Web browsers, however not when logging in through Mozilla® Firefox® Web browsers.

You can use Connection Broker *locations* to specify the remote viewers used, based on the type of Web browser the user is logging in from.

Setup

The Connection Broker > **Clients** > **Clients** page shows all the client devices that have logged into the Connection Broker. All Web Browsers display the name **Mozilla/x.0**, indicating they are Mozilla based browsers.

Because the **Name** column does not provide enough information to determine the type of browser, use the **Version** column, shown in the following figure. The **Version** column contains the string returned by the browser's **Agent String**.



The screenshot shows the Leostream interface with the 'Clients' tab selected. Below the navigation bar, there is a filter dropdown set to 'No filter'. A table displays client information with columns for 'Actions', 'Name', and 'Version'. A red arrow points to the 'Version' column header with the text 'The Version column shows the User Agent String for Web browser.' The table contains two rows of data, both with 'Mozilla/4.0' in the Name column and a long user agent string in the Version column.

Actions	Name	Version
<input type="checkbox"/> Edit	Mozilla/4.0	Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0; .NET CLR 1.1.4322; .NET CLR 2.0.50727; .NET CLR 3.0.04506.30;
<input type="checkbox"/> Edit	Mozilla/4.0	Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0; .NET CLR 1.1.4322; .NET CLR 2.0.50727; .NET CLR 3.0.04506.30;

Configuring the Connection Broker Protocol Plan

This example creates two protocol plans:

- The protocol plan for users logging in through Internet Explorer launches an ActiveX RDP session.
- The protocol plan for users logging in through other types of Web browsers uses regular RDP.

To define these protocol plans:

1. Go to the > **Plans** > **Protocol** page.
2. To create the ActiveX RDP protocol plan:
 - a. Select the **Create Protocol Plan**.
 - b. Enter **ActiveX-Web-Login** for the **Plan name**.
 - c. Scroll down to the **Web Browser** section, shown in the following figure.

Web Browser

URL redirect on user logout

ActiveX RDP Priority: 1

Configuration file

```
MsRdpClient.server = "{IP}"
MsRdpClient.UserName = "{USER}"
MsRdpClient.AdvancedSettings.ClearTextPassword
```

Allow connections through NAT'd VPNs

RDP Priority: Do not use

Configuration file

```
screen mode id:i:2
desktopwidth:i:1024
desktopheight:i:768
```

VNC Priority: Do not use

Configuration file

```
[connection]
host={IP}
port=5900
```

Select ActiveX RDP as the primary remote viewer. Set the "Priority" drop-down menus for all other remote viewers to "Do not use".

- d. From the **Priority** drop-down menu associated with **ActiveX RDP**, select **1**.
 - e. For all other remote viewers, select **Do not use** from the **Priority** drop-down menu.
 - f. Click **Save**.
3. To create the RDP protocol plan:
 - a. Select the **Create Protocol Plan**
 - b. Enter **RDP-Web-Login** for the **Plan name**
 - c. Scroll down to the **Web Browser** section, shown in the following figure

Web Browser

URL redirect on user logout

ActiveX RDP Priority: Do not use

Configuration file

```
MsRdpClient.server = "{IP}"
MsRdpClient.UserName = "{USER}"
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RDP Priority: 1

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```
screen mode id:i:2
desktopwidth:i:1024
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```

VNC Priority: Do not use

Configuration file

```
[connection]
host={IP}
port=5900
```

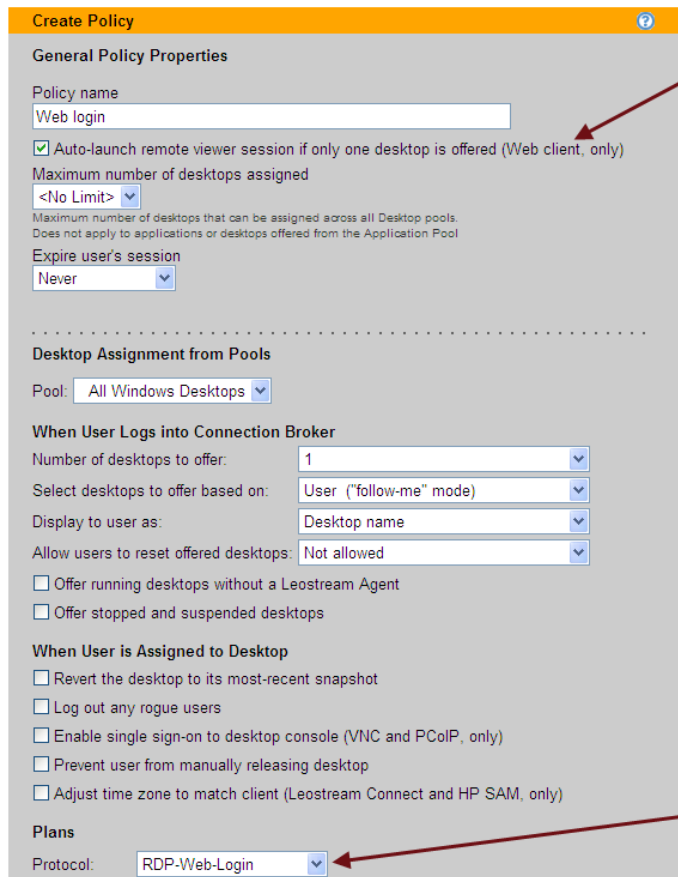
Select RDP as the primary remote viewer. Set the "Priority" drop-down menu for all other remote viewers to "Do not use".

4. From the **Priority** drop-down menu associated with **RDP**, select **1**.
5. For all other remote viewers, select **Do not use** from the **Priority** drop-down menu.
6. Click **Save**.

Using the Protocol Plan in a Policy

After you define your protocol plans, you assign them to desktop pools inside of a policy. The following example creates a policy to assign to users logging in through a Web browser.

1. Go to the **> Users > Policies** page.
2. Click **Create Policy**.
3. Enter a name for the policy in the **Policy name** field.
4. If this policy is offering the user a single desktop, and you want to automatically launch a remote session to that desktop as soon as the user logs in, select the **Auto-launch remote viewer session if only one desktop is offered** option.
5. In the **Desktop Assignment from Pools** section, select the pool you want to offer desktops from, and configure the appropriate options in the **when User Logs into Connection Broker** and **When User is Assigned to Desktop** sections.
6. In the **Plans** section, select the **RDP-Web-Login** protocol plan from the **Protocol** drop-down menu. The form appears as follows.



General Policy Properties

Policy name
Web login

Auto-launch remote viewer session if only one desktop is offered (Web client, only)

Maximum number of desktops assigned
<No Limit>

Maximum number of desktops that can be assigned across all Desktop pools.
Does not apply to applications or desktops offered from the Application Pool

Expire user's session
Never

.....

Desktop Assignment from Pools

Pool: All Windows Desktops

When User Logs into Connection Broker

Number of desktops to offer: 1

Select desktops to offer based on: User ("follow-me" mode)

Display to user as: Desktop name

Allow users to reset offered desktops: Not allowed

Offer running desktops without a Leostream Agent

Offer stopped and suspended desktops

When User is Assigned to Desktop

Revert the desktop to its most-recent snapshot

Log out any rogue users

Enable single sign-on to desktop console (VNC and PCoIP, only)

Prevent user from manually releasing desktop

Adjust time zone to match client (Leostream Connect and HP SAM, only)

Plans

Protocol: RDP-Web-Login

7. Click **Save**.

Creating a Location for Internet Explorer

To create a location that contains only Internet Explorer, configure the **Create Location** form as follows:

The screenshot shows the 'Create Location' form with the following configuration:

- Name:** Internet Explorer
- Attribute Selection:**
 - Client attribute: Device type, Conditional: is equal to, Value: Web Browser
 - Client attribute: Version, Conditional: contains, Value: MSIE
 - Client attribute: Version, Conditional: does not contain, Value: Opera
- Logic:** The Clients must match all of the attribute rules (AND) is selected.
- Plans:**
 - Printer: Select ...
 - Protocol: ActiveX-Web-Login

Annotations on the right side of the form provide the following instructions:

- Look only at Web browsers.
- All Internet Explorer browsers contain the string "MSIE" in the Version.
- If you have users that prefer a browser, such as Opera, whose version may contain the string "MSIE", exclude that browser by ensuring that the Version does not contain a string common to that browser type.
- Make sure to AND the rules together, to simultaneously include MSIE and exclude Opera.
- Select a protocol plan to over-ride the plan determined by the policy.

To configure the form:

1. Go to the > **Clients > Location** page.
2. Click **Create Location**. The **Create Location** form opens.
3. Fill in the form to create a location containing Internet Explorer. At a minimum, enter the following rules.

Client attribute	Conditional	Value
Device type	is equal to	Web Browser
Version	contains	MSIE

4. From the **Protocol** drop-down menu in the **Plans** section, select a protocol plan that assigns the highest priority to ActiveX RDP.
5. Click **Save**.

Now, the Connection Broker will force any user that logs in via an Internet Explorer Web browser to use the ActiveX RDP remote viewer, regardless of what the user's policy is configured to launch.

Examples of Common User Agent Strings

Various Web sites, including <http://www.useragentstring.com/>, provide comprehensive lists of possible User Agent Strings. The following table shows some common example. Your specific Web browser may return a different User Agent String.

Browser	User Agent String
Internet Explorer 6.0	Mozilla/5.0 (Windows; U; MSIE 6.0; Windows NT 5.1; SV1; .NET CLR 2.0.50727)
Internet Explorer 7.0	Mozilla/5.0 (Windows; U; MSIE 7.0; Windows NT 6.0; en-US)
Internet Explorer 8.0	Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 6.2; Trident/4.0; SLCC2; .NET CLR 2.0.50727; .NET CLR 3.5.30729; .NET CLR 3.0.30729; Media Center PC 6.0)
Mozilla Firefox 3.8	Mozilla/5.0 (X11; U; Linux i686; pl-PL; rv:1.9.0.2) Gecko/20121223 Ubuntu/9.25 (jaunty) Firefox/3.8
Apple Safari 4.0.3	Mozilla/5.0 (Windows; U; Windows NT 6.0; en-us) AppleWebKit/531.9 (KHTML, like Gecko) Version/4.0.3 Safari/531.9
Opera 9.99	Opera/9.99 (Windows NT 5.1; U; pl) Presto/9.9.9

Note: Some versions of Opera may contain the string MSIE in their User Agent String