Using the Citrix Service Provider License Reporting Tool

Version 3, Updated June 4, 2013

www.citrix.com

CITRIX®

Introduction

Citrix® Service Providers (CSP) need to generate usage reports of the active, unique users that accessed their hosted shared XenApp-based desktop services for monthly CSP reporting to their designated CSP Distributor. The preferred way to do this is to use the Citrix Service Provider License Reporting Tool. The Citrix Service Provider License Reporting Tool is implemented as a PowerShell module (found in the CSPLicenseCommand.dll). This module contains one PowerShell cmdlet that you can use to generate the license usage report. CSPs should run this cmdlet on the last day of the month for a given reporting period.

Please note that the Citrix Service Provider License Reporting Tool <u>requires</u> Citrix XenApp 6.5 or higher configured for User Device licensing. See page 6 for details.

As an alternative CSPs can use the custom EdgeSight® report **Citrix Service Provider – License Usage Report** found here:
http://community.citrix.com/display/edgesight/Custom+Reports

Configure User Device Licenses

To configure XenApp to use User Device licenses, create a Citrix machine policy with the "XenApp product model" server setting set to "XenDesktop User Device".

Setting up the PowerShell Module

Steps to setup the PowerShell Module:

1. The **CSPLicenseReportingTool.zip** file is included in the same zip file as this document.
2. Unzip the contents of the zip file to a folder on the machine you wish to run the tool. This does not have to be the Citrix License Server. The CSP License Reporting Tool can work remotely.
3. Open a PowerShell prompt.
4. Navigate to the folder where you unzipped the contents.
5. Type **Import-Module .\CSPLicenseCommand.dll** at the prompt and hit enter.

The module is now loaded and you can execute the one and only command in the module **Get-CitrixLicenseUsage**.

Using the Get-CitrixLicenseUsage cmdlet

Get-CitrixLicenseUsage

CSPs can use the Get-CitrixLicenseUsage command to generate a report of the active unique users that accessed services for monthly CSP reporting. You can filter the results by an Active Directory OU or user group.

CiTRIX®

Example

Get-CitrixLicenseUsage –LicenseServer serverName –FromDate 3/1 –ToDate 3/31 –LicenseType Premium

Syntax

Get-CitrixLicenseUsage [-LicenseServer] <String> [[-PortNumber] <UInt32>] [[-FromDate] <DateTime>]

 [[-ToDate] <DateTime>] [-LicenseType <CSPLicenseType>] [-FilterByOU <String>] [-FilterByUserGroup <String>]

This command returns the number of unique XenApp users for a given time period.

 Parameters

-LicenseServer <string>

This parameter specifies the License Server to connect to in order to retrieve the unique users.

Required?	true
Position?	named
Default Value?	none
Accept Pipeline Input?	false
Accept Wildcard Characters?	false

-FromDate <string>

This parameter specifies the date at the beginning of a given time period. If you do not specify a month, the cmdlet uses the first of the current month by default.

Required?	false
Position?	named
Default Value?	1st of the current month
Accept Pipeline Input?	false
Accept Wildcard Characters?	false

-ToDate \<string\>

This parameter specifies the date at the end of a given time period. If you do not specify a date, the cmdlet uses the current date by default.

Required?	false
Position?	named
Default Value?	current date
Accept Pipeline Input?	false
Accept Wildcard Characters?	false

-LicenseType \<string\>

This parameter specifies the type of CSP license; Base or Premium. The default value is Base.

Required?	false
Position?	named
Default Value?	base
Accept Pipeline Input?	false
Accept Wildcard Characters?	false

-PortNumber<Uint32>

This is the port number of the license server. The default is 27000.

Required?	false
Position?	named
Default Value?	27000
Accept Pipeline Input?	false
Accept Wildcard Characters?	false

-FilterByUserGroup

This parameter specifies the Active Directory group by which to filter users. Note: Note: See "To Enable User Filtering" topic below.

Required?	false
Position?	named
Default Value?	none
Accept Pipeline Input?	false
Accept Wildcard Characters?	false

-FilterByOU

This parameter specifies the Active Directory OU by which to filter users. Note: See "To Enable User Filtering" topic below.

Required?	true
Position?	named
Default Value?	none
Accept Pipeline Input?	false
Accept Wildcard Characters?	false

Outputs

Array of strings where each string is the user name of a unique active user.
To generate the license report, pipe the output to the built-in PowerShell command Out-File. See the following examples:
To export to a text file:
    Get-CitrixLicenseUsage -LicenseServer YourServer | Out-File c:\JanuaryUsage.report
To get the count of unique users:
    Get-CitrixLicenseUsage -LicenseServer YourServer | Measure-Object | Select –Expand Count

Important Considerations

Configure Licensing to use User/Device Licenses (this is REQUIRED)

To configure XenApp to use User Device Licenses, create a Citrix machine policy with the "XenApp product model" server setting set to "XenDesktop User Device".

Accurate Reporting

To track active subscriber licenses accurately, you must set the appropriate XenApp policies for session time-out. This prevents idle sessions from staying active from extended periods of time, which may result in inaccurate license usage count.

To Enable User Filtering

To allow filtering by AD domain or user group, you must set the following registry value on the license server to 1. Reboot the server for this change to take effect.

HKLM\Software\Citrix\LicenseServer\UDUseDomain

About Citrix

Citrix (NASDAQ:CTXS) is the cloud company that enables mobile workstyles — empowering people to work and collaborate from anywhere, securely accessing apps and data on any of the latest devices, as easily as they would in their own office. Citrix solutions help IT and service providers build clouds, leveraging virtualization and networking technologies to deliver high-performance, elastic and cost-effective cloud services. With market-leading cloud solutions for mobility, desktop virtualization, networking, cloud platforms, collaboration and data sharing, Citrix helps organizations of all sizes achieve the speed and agility necessary to succeed in a mobile and dynamic world. Citrix products are in use at more than 260,000 organizations and by over 100 million users globally. Annual revenue in 2012 was $2.59 billion. Learn more at www.citrix.com.

Version 3, June 4, 2013