

Installing Windows Connector ID Keys on Master Images deployed through Provisioning Server

Overview

This section provides information about installing the Connector ID Key on Master Images deployed through Provisioning Server.

Prerequisites

Important! We assume that you are an Administrator and have full administrative credentials while installing the Connector ID Key on the base image. This document applies to installing Connector ID Key on master images that are then going to be deployed to desktop using Citrix Provisioning Server.

Preparation

To effectively install the Connector ID Key, do the following:

- If you intend using non persistent desktops and need to constantly refresh desktops using the same hostnames please enable non-persistent desktop tracking within the Stratusphere™ Hub by logging into the Stratusphere™ Hub console and executing the following command:
 - `set system nonpersistent tracking on`
 - `write`
- It is **strongly recommended** to have a DNS Entry for the IP Address of the Stratusphere™ Hub. If you have not already done so, please make sure a DNS entry is added in your DNS Server for the IP Address of the Stratusphere™ Hub. Make sure that the DNS Entry name is updated within the Stratusphere™ Hub Console using the following command:
 - `set system hub dns name <hub.ip.or.dns>`
 - `write`

Connector ID Key Deployment in Master Image using Provisioning Server

To install the Connector ID Key on a base image do the following:

1. Power on and log into your XenDesktop master image.
2. Open your browser and download the Connector ID Key software installer by logging into the Stratusphere™ Management UI's "Administration" section using `ssadmin/sspassword`. Navigate to "CMDB Administration > Connector ID Keys > Connector ID Key Software" tab. Download the Standard Connector ID Key for Windows to the local desktop and rename it to `setupCIDKey.exe`.
3. **[OPTIONAL]** Do this step, if and only if, you want to add all the virtual machines and users from this master image to a machine & user group within Stratusphere™ Hub:
 - a. Create a machine group within the Stratusphere™ Hub. To do so, navigate to "Inventory > Machines" tab and click on the "Groups" view link. Add a new group to the list e.g. "DesktopGroup01".
 - b. Create a user group within the Stratusphere™ Hub. To do so, navigate to "Inventory > Users" tab and click on the "Groups" view link. Add a new group to the list e.g. "UserGroup01".

4. Install the Connector ID Key on this master image. If there is an existing installation of Connector ID already on the master image, it will be updated to the latest version during the installation. The installer will automatically call back to the Stratusphere™ Hub and register with the default Hub address information embedded inside the installer. Chose the Custom option within the installer wizard to alter this default Hub information and specify a different Hub IP Address or DNS Address as well as specifying a Machine Group and User Group to register the machine and user into. If using the command line to run the installer, use the following string:

```
SetupCIDKey.exe /s HUBADDRESS=<hub.ip.or.dns>  
[MACHINEGROUP="DesktopGroup01"] [USERGROUP="UserGroup01"]
```

Important: /s option is for a silent unattended installation. You will not see any installation wizard.

HUBADDRESS=<hub.ip.or.dns> Use this option to point to the Stratusphere™ Hub. This option should be the same as specified in the Stratusphere™ Hub console's "set system hub dns name <hub.ip.or.dns>" command after you run the "show system" command.

[MachineGroup=<...>] and [UserGroup=<...>] options are optional if you automatically want each machine and all its users to be registered within pre-existing groups.

Please note the [] < > characters denote optional parameters and placeholders and should not be part of the required command line syntax. Specifying these parameters override what is embedded inside the EXE installer.
5. Once the installer completes, check to see if it registered with the Stratusphere™ Hub. You can do so by checking either one of two options below:
 - a. Open your browser and log into the Stratusphere™ Management UI's "Administration" section using sadmin/sspassword. Navigate to "Inventory > Machines" tab. The master image machine name should exist in this list and verify its version number and call back times have been updated to the current date and time.
 - b. Verify if the following file exists: C:\Program Files\Liquidware Labs\Connector ID\ca\cert.txt - if it does then we have a successful installation and now we need to prepare the master image for deployment through Provisioning Server.
6. To prepare the image for deployment, the initial registration cert.txt and other items have to be cleared and reset. To do so on the base image open a command prompt as an Administrator and execute the following bat file:
 - a. C:\Program Files\Liquidware Labs\Connector Id\admin scripts\ProvisioningServer_MasterImagePrep.bat
7. Shut down the base desktop virtual machine, you are now ready to deploy your desktop master image through Provisioning Server.