



## Vallum Halo App Installation Process

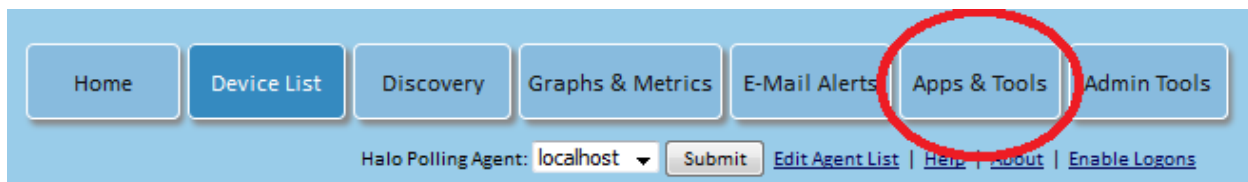
Vallum Halo Apps are modular applications that are designed to be installed with the Vallum Halo Manager. Halo Apps add specialized functionality to the Vallum Halo Manager solution in a modular manner. Halo Apps are available for download at the [Halo App Store](#).

To learn more about Halo Apps, please visit the [Halo Applications](#) page on the Vallum website.

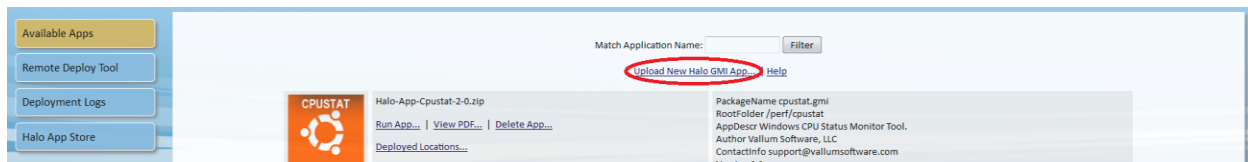
The downloaded Halo App files are .zip files containing the Halo Application itself, a Data Description (DD) document, and optionally an icon image file. The process of downloading and installing Halo Apps is a simple point and click process detailed as follows:

First select and download a Halo App from the [Halo App Store](#), and save the App file where it is accessible to the installed Halo Manager solution.

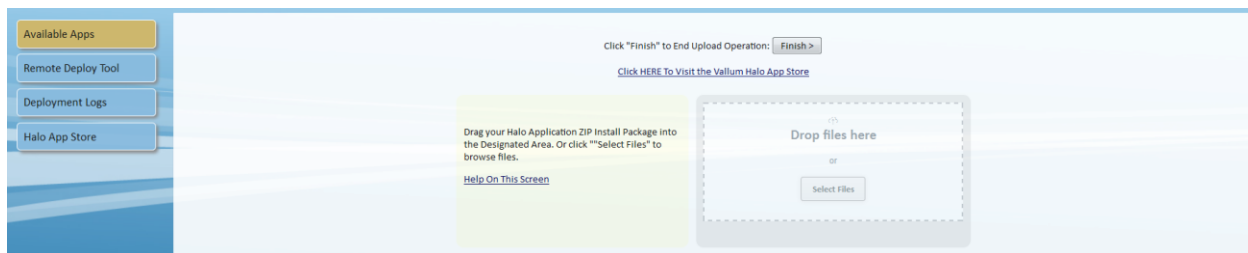
Upload the Halo App to the Halo Manager solution by selecting Apps & Tools on the main menu as follows:



Available Halo Apps that have been previously uploaded (if any) will be displayed. Select "Upload New Halo GMI App" from the middle of the menu as follows.

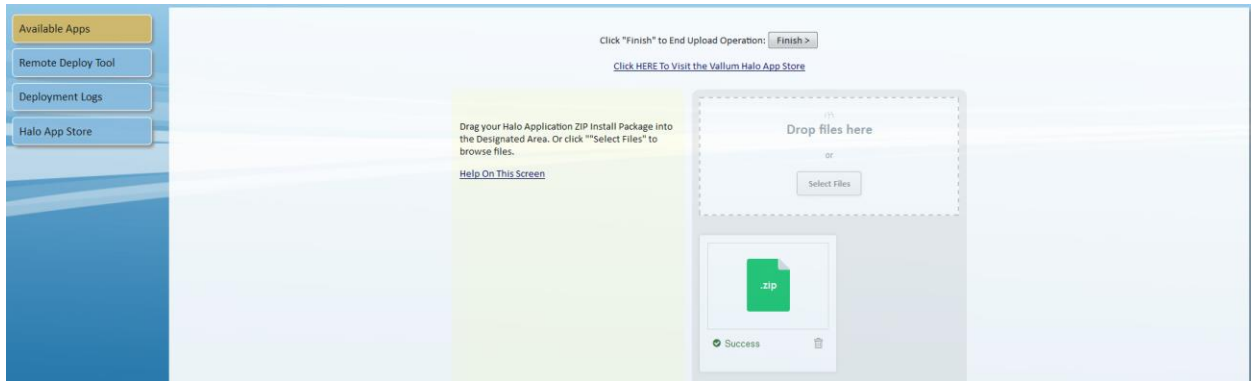


The following menu will provide the option of selecting the Halo App .zip file to upload. Files can be dragged and dropped to the middle of the screen where "Drop Files here" is located, or you can hit the "Select Files" button to select the file from your system.

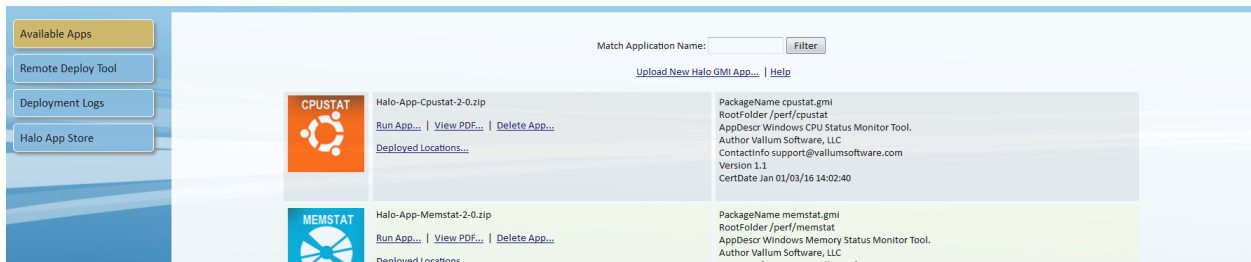


Once you have selected the Halo App file, click the "Finish" button at the top of the screen.

Note the "Success" check mark below and the .zip symbol above it. Halo Apps are signed with an encryption key to ensure their authenticity. If a Halo App was not signed or was improperly signed, it will not be uploaded to the Halo Manager solution, and an error message will be displayed.



Once successfully uploaded, click on the “Available Apps” button to the left and you will see the Halo App in the list as follows:



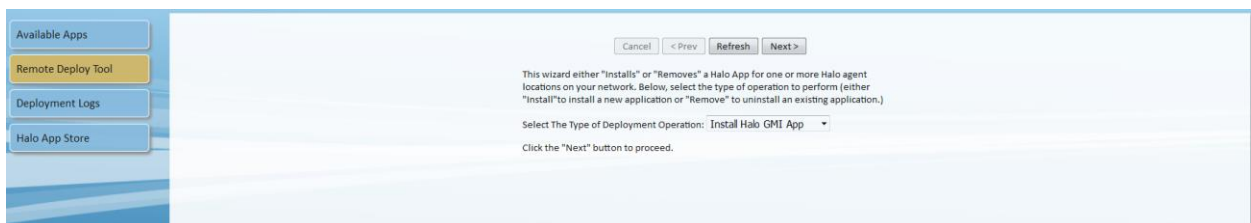
You can then select “View PDF” to view the DD or Document Description on the Halo App, which will provide capabilities of the Halo App as well as how to operate the App.

You can also click on “Deployed Locations” to view where the Halo App has been installed. Halo Apps are designed to be installed to previously installed Halo Agents. If the Halo App has not been installed yet, it will indicate that it is not installed on any Halo Agent(s).

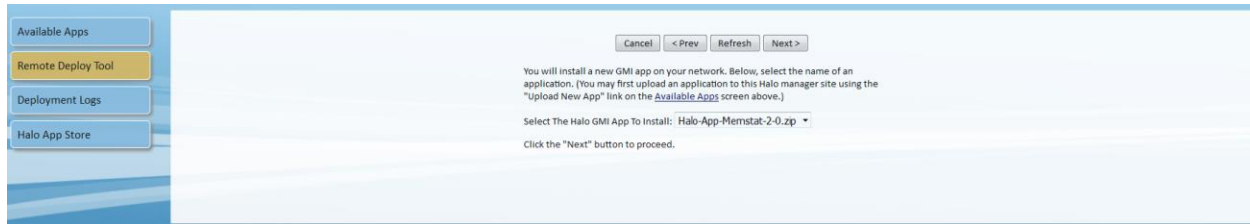
The Halo App can also be deleted from the Halo Manager solution by clicking “Delete App”. Note that deleting the Halo App will not uninstall it from any Halo Agents. Previously delete the App from any Halo Agents prior to deleting it from the Halo Manager solution.

The next step is to remotely deploy the Halo App to Halo Agents. Click on the “Remote Deploy Tool” button on the left of the screen.

The Remote Deployment Tool screen below will provide the capability to install or uninstall a Halo App from Halo Agent(s). The drop down in the middle of the screen will allow you select “Install” or “Remove” a Halo App from Halo Agent(s). After selecting “Install Halo GMI App”, click “Next >” at the top of the menu.

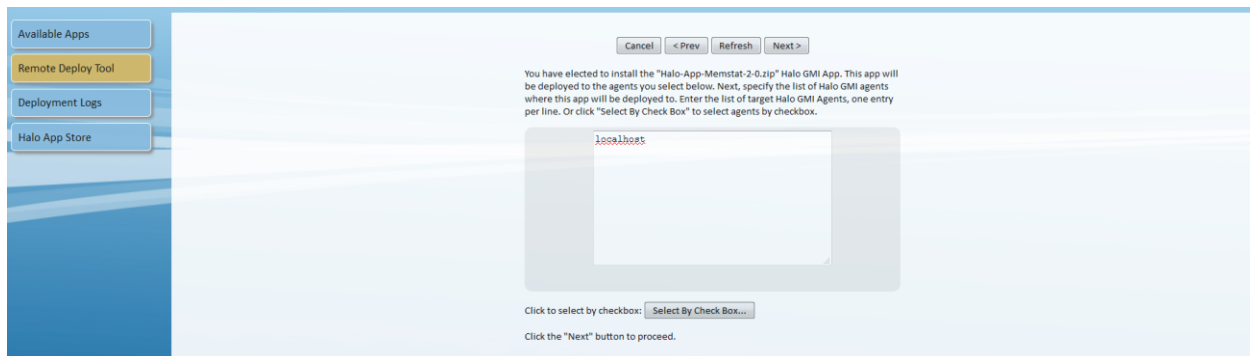


The following menu will allow you to select a Halo App from the Apps that have been uploaded. Select the Halo App from the drop down that you want to deploy and click “Next >”.

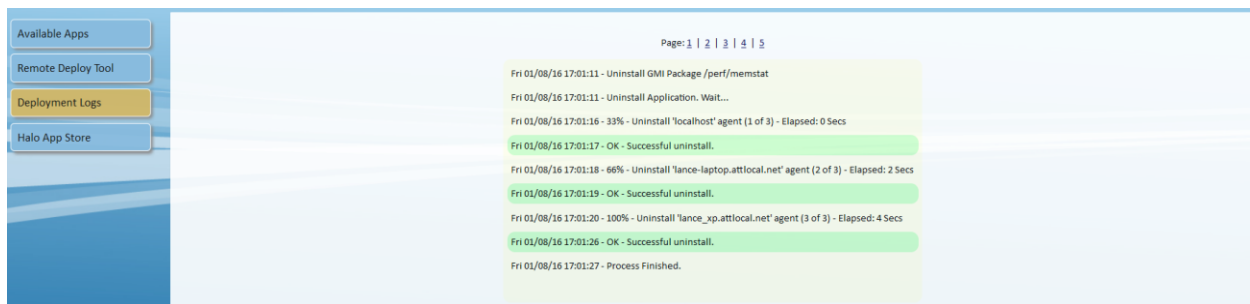


The menu below will allow for the selection of currently installed Halo Agents to install the Halo App to. A list of all currently installed Halo Agents by name or IP address will be presented. If you do not want to install the Halo App at any of the Halo Agents, simply remove them from the list. You can also click “Select by Check Box” at the bottom, and you will be presented with the same Halo Agent list with check boxes where you can check or uncheck them.

When the editing of the Halo Agent list is complete, Click “Next >”, and then click “Start Install >” to begin the install process. A process dialog will appear showing the progress of the installation. The install process could take a minute or more depending on the number of Halo Agents that the Halo App is being installed to. You can navigate away from the installation process and it will continue to run until complete.



Once the installation process is complete, you can click on “Deployment Logs” to view the install process in greater detail.



Once the Halo App has been installed, you can click on “Run App” next to any Halo App on the “Available Apps” screen to execute the functions of the Halo App. There is a drop down in the middle of the screen where you can select the Halo Agent you want to view the data from.

Some Halo Apps will require some configuration before they will function, while others will already be pre-programmed with their functions. The Document Description document associated with each Halo App will fully explain their functions and any configuration that is required.



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## About Vallum Software

Additional information on Vallum Software, including a selection of useful Halo Apps, and professional and support services, is available from the Vallum Software at the links below.

The Halo Manager solution, the Halo Agent, and Halo Apps are based on technology from the GMI-foundation. Vallum Software provides support, certification, and development solutions.



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