

HRRT_U 1.0 Installation Procedure

Installing the software on the reconstruction computer

Unzip the distribution file and launch setup.exe to start the installation. The installation procedure creates C:\cps\USERS_SW directory, copies the software files in the directory and adds C:\cps\USERS_SW to the path. (verify and add it manually if not done by the installation procedure).

Configuring the software on the reconstruction computer

1. Verify if C:\cps\USERS_SW was added to the path by the installation procedure and add it manually if not done .
2. Open ReconGUI_u, CorrectRun_u and DailyQC_u shortcut properties and set the "start in" directory to C:\CPS\USERS_SW.
3. Start ReconGUI, open the transmission configuration to set your blank file and the scatter configuration to set your normalization file.

Configuring the reconstruction computer for cluster reconstruction.

The installation procedure installs the cluster executables (clc_u, clq_u, clcrecon) in c:\cps\USERS_SW. Follow the steps below to configure the cluster files server.

1. Make sure the cluster directory c:\cps\cluster_u exists or create it.
2. Create the configuration files ClusterConfig.txt and QueueConfig.txt in C:\cps\cluster_u directory (see specifications document, section 4.1).
3. Open a command window, go to c:\cps\USERS_SW and type the commands "clc_u -i" and "clq_u -i" to install the ClusterServer and ClusterQueue services; or "clc_u -u" and "clq_u -u" to update the services if they existed already.
4. Create a cluster account (e.g hrtr) used by the nodes to access the server files.

Installing the ClusterServer service on each cluster node

Make sure the cluster directory c:\cps\cluster_u exists or create it.

Copy clc_u.exe in a temp directory (e.g c:\temp), open a command window , go to the temp directory and type "clc_u -i" to install the service.

Follow the steps below to set the service account to the cluster account:

1. Create the cluster account as on the files server
2. Display the services (control panel->administrative tools->services), locate and right click on ClusterServer service as show on figure1 to display the properties dialog box shown on figure 2.
3. Check "this account" radio button, type in or select the account, type and confirm the password in the box showed on figure 2.

Downloading executables service on each cluster node

Once the ClusterServer is installed on the nodes, the cluster management (software download and update) is done on the files server. Refer to keywords document for a

complete list of functions.

On the file server: open a command window, go to c:\cps\USERS_SW and type “clc_u – d filename.exe” to download: clcrecon.exe, hrrt_osem3d.exe and gendelays.exe.

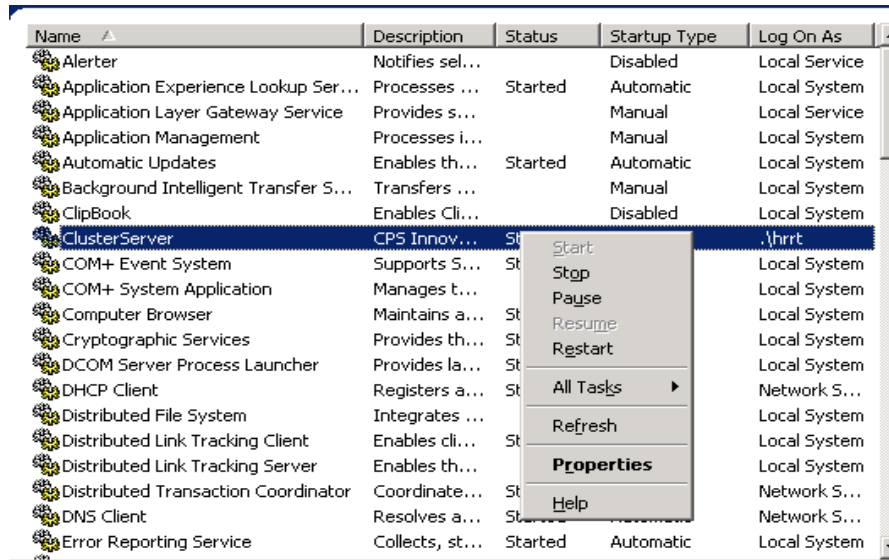


Figure 1: display ClusterServer Properties dialog box

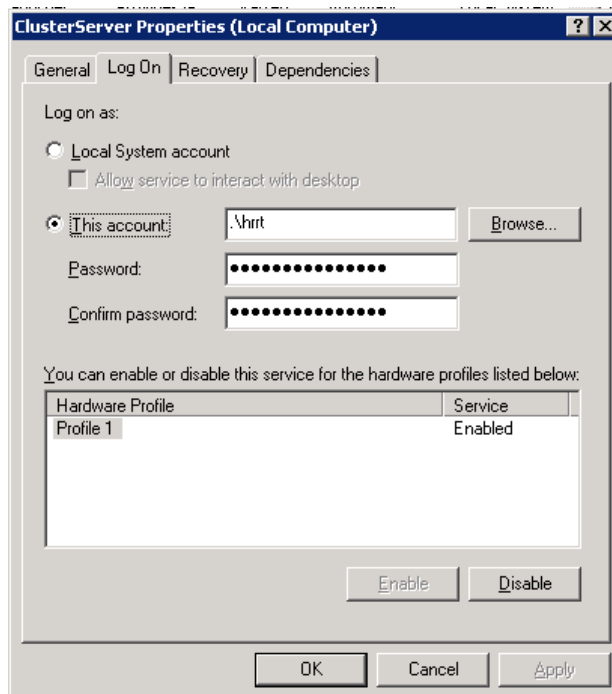


Figure 2: Setting ClusterServer service account