

Subject: Removing HP OpenView-related ECS Custom Code
The following directive is issued to all DAACS and labs.

01/23/01

Issue: With the removal of application monitoring functionality from HP OpenView, a number of changes must be made to the version of HP OpenView configured at the sites. These changes are required to remove a dependency on custom code that is being phased out of the baseline.

Once these changes are implemented, there will be no interaction between HP OpenView and ECS custom code. As a result, none of the ECS shared mode servers (EcMsAgDeputy, EcMsCmEcsd, EcMsCmOvmap, EcMsAgSubagent, EcMsAgAgent, or EcMsAgGenProxy) will need to be run. To minimize the impact of these servers not running, an additional configuration parameter change to all .ACFG files was incorporated in 5B.03. A step to verify this change is included in this directive. Also note that these changes should only be implemented if the HPOV instance at the site was customized to allow for application monitoring via HPOV.

Fix:

Note: At one point in time, the names of most files associated with the ECS customization were changed to conform to ECS naming conventions. To ensure that all of these files are removed, the instructions below will indicate how to remove both sets of files. If the file names listed in a particular step do not exist, simply ignore that file (or that step if it is the only file listed) and move on to the next.

1. Run **/opt/OV/bin/ovdelobj /etc/opt/OV/share/lrf/EcMsCmEcsd.lrf** (must be root to run)
2. Run **/opt/OV/bin/ovdelobj /etc/opt/OV/share/lrf/ecsd**.
3. From **/etc/opt/OV/share/lrf**, delete **EcMsCmEcsd.lrf** and/or **ecsd.lrf**
4. Delete the following files
in **/etc/opt/OV/share/fields/C**: **mss_fields, EcMsFields**
in **/etc/opt/OV/share/registration/C**: **MtnVwApp, TivoliApp, Trouble-Ticketing, mss.reg, mss.reg_old, EcMsCmReg**
5. Remove the following directory, including any files and subdirectories:
/var/opt/OV/share/help/C/ecsNNM
6. Clean out the OpenView database by performing the following:
 - Verify **ovw** is not running
 - Run **/opt/OV/bin/ovstop**
 - Change to the following directory: **/var/opt/OV/share/databases/**
 - Create a backup directory and backup all files under **.../openview** to this directory
 - Remove OpenView database files (**cd /var/opt/OV/share/databases/openview** then use **rm -rf ***)
 - Remove all events (**cd /var/opt/OV/share/databases/eventdb** then **rm -rf /var/opt/OV/share/databases/eventdb/*/***)
 - Remove events from cache (**/opt/OV/bin/xnmsnmpconf -clearCache**)
 - Run **/opt/OV/bin/ovstart ovwdb**
 - Run **/opt/OV/bin/ovw -fields**
 - Run **/opt/OV/bin/ovstart**
 - Run **/opt/OV/bin/ovw**
 - If there are any entries in the "Alarm Categories" window that start with ECS, perform the following steps (otherwise exit OpenView and proceed to step no. 6 below)
 - Select Options → Event Configuration from the menu
 - Highlight the row labeled "Nasa_ECS" from the "Enterprise Identification" section of the window
 - Select the first entry in the "Event Identification" section of the window so that is highlighted. Select Edit → Delete → Event from the menu. Repeat until there are no entries in the "Event Identification" section

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- Select the row labeled "Nasa_ECS" so that it is highlighted. Select Edit → Delete → Enterprise Identification from the menu
 - Select Edit → Configure → Alarm Categories... from the Event Configuration menu
 - In the Event Configuration/Alarm Categories window, select the first item that begins with "ECS" (such as ECS Application Fault Alarms) and then select the "Delete" button. Repeat until all ECS event categories are deleted.
 - Select "Close" from the Event Configuration/Alarm Categories window
 - Select File → Save and then File → Close from the Event Configuration window
 - You should see several pop-up windows verifying the deletion of the ECS alarm categories. After all of these windows are closed, the Alarm Categories window should change to only include the following categories: Error Alarms, Threshold Alarms, Status Alarms, Configuration Alarms, Application Alert Alarms, and All Alarms.
 - Exit OpenView by selecting the Map → Exit menu option
7. Verify all .ACFG files so that the row for the MsAg_RetrySleep_sec metrics is as follows:
 { "MsAg_RetrySleep_sec" = "86400" },
 8. Do not start any SHARED mode custom servers on Sun, SGI or HP machines. Do not delete any SHARED mode files at this time.

Testing:

1. Verify that the deputy agent (EcMsAgDeputy) and the ECS daemon (EcMsCmEcsd) are not running)
2. Start HP OpenView (by running /opt/OV/bin/ovw)
3. Verify that the ovmap custom code server (EcMsCmOvmap) does not start when ovw is run
4. Verify that no error messages appear in the window from which ovw was started
5. Verify that all customer servers can start on a box correctly.

Implementation:

The HP OpenView fix should be applied to the following ECS machines:

- All MSS Server machines:
 - EDC e0msh03 (P), e0msh11 (S)
 - GSFC g0msh08 (P), g0msh11 (S)
 - LaRC l0msh03 (P), l0msh22 (S)
 - NSIDC n0msh03 (P), n0msh10 (S)
 - SMC m0msh03 (P), m0msh14 (S)
 - VATC t1msh01 (P), t1msh08 (S)
 - PVC p0msh08 (P), p0msh11 (S)

(Note: HP OpenView may not have been configured on all secondary hosts)

- Other HPOV machines:
 - EDF slimer
 - sparrow

The .ACFG file fix should be verified on all machines.

The directive to not start SHARED mode custom servers applies to all SUN, HP and SGI machines on which SHARED mode is installed.

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-----End of Directive-----