**HP SmartComponent Return Codes**

ERROR SCENARIOS:

InstallFromURI() will return 4096 from the method call.

* Install request accepted and Job Initiated
* Client needs to use Job instance to track status of Job and SmartComponent execution
* See Job error scenarios below.

InstallFromURI() method call throws CIM Error exception

* CIM Error string will contain detailed error description
* Install request rejected due to invalid parameters, wrong permissions, failure to create temporary files
* No Component.log file will be generated

Job success and error scenarios from the SMX\_SCInstallerConcreteJob.  These values need to be retrieved from the properties in the Job

JobState = 7 (Completed)

ErrorCode = 0 (success)

ErrorDescription = “OK”

Download and execution of the SmartComponent was successful and the SmartComponent returned an error code of 0.

Component.log file should be generated.

JobState = 10 (Exception)

ErrorCode = 500 (download failed)

ErrorDescription is the detailed description of the download failure

Download of the SmartComponent failed (invalid URI, libcurl failure, etc)

No Component.log file

JobState=10 (Exception)

ErrorCode=1-7, value returned from SmartComponent

ErrorDescription = “Flasher returned error code: X” where X is the 1-7

* SmartComponent executed and returned an error code of 1 or higher
  + See standard SmartComponent return codes below.
* If SmartComponent returns error code > 7, Provider will convert it to a value of 7
* Component.log file should be generated

JobState=10 (Exception),

ErrorCode = 7

ErrorDescription=anything other than above, will be the detailed description of the error.

* SmartComponent could not be executed because it was corrupt or is not an ESXi 5.0 SmartComponent (unpack failure/exception, no flash.so library, no esxi\_flash() entry point)
* Internal provider issue with creation of the Job (not enough memory)
* SmartComponent generated did not complete execution, (generated a C++ exception)
* May be no or a partial Component.log file

JobState=8 (Terminated

ErrorCode=5

ErrorDescription=”Canceled by user”

* Client called Job method RequestStateChange() with RequestedState=Terminate(4)
* Only valid if SmartComponent is being downloaded, not valid while SmartComponent is executing.
* No Component.log file

JobState=9(Killed)

ErrorCode=5

ErrorDescription=”Canceled by user”

* Client called Job method RequestStateChange() with RequestedState=Kill(5)
* Only valid if SmartComponent is being downloaded, not valid while SmartComponent is executing.
* No Component.log file

### SCEXE return codes

Any value above “7” is treated the same as “7” (failure).

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| Error level | Meaning |
| 0 | The installation of the deliverable was successful.  No reboot was required |
| 1 | The installation of the deliverable was successful.  A reboot is required for the deliverable to be enabled. |
| 2 | The installation was not attempted because the version to be installed matches the version already installed |
| 3 | The installation was not attempted because of one of the following:   * The version to be installed is older than the version already installed * Supported hardware was not present, not enabled, or in a state that  an installation could not be attempted * Installation was not attempted because the component did not support the environment * There was nothing for the component to do |
| 4 | If the component is installing to a remote target (ie Onboard Administrator or other network-based deployment), this return code indicates the target was not found. |
| 5 | This return code indicates the installation was canceled by a user before anything could be installed |
| 6 | This return code indicates the installer could not execute because of an unmet dependency or installation tool failure |
| 7 | This return code indicates the actual installation operation (not the installation tool) failed. |

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