



Cisco Safe Harbor Layer 2 Limited IOS Software Modularity Release 12.2(18)SXF5 Supervisor 32 for Enterprise Customers

Version History

Version Number	Date	Notes
1	January 5, 2008	This Safe Harbor stub document was created.

Cisco Safe Harbor is an initiative emphasizing customer success through improved quality. Safe Harbor delivers customers a certified Cisco OS version of choice for critical deployment to increase overall network stability.

Safe Harbor subjects targeted releases (deployed in topologies consistent with those of identified customers) to complex levels of testing. The program offers additional benefit by serving as the conduit through which customer input influences Cisco premier testing.

Certification Retraction

System resource utilization in 18SXF Modular IOS images is not reported via SNMP in a consistent manner with 18SXF IOS images. The MIBs used to poll system CPU and memory utilization in IOS return only information about the IOS-base process in 18SXF Modular IOS images. Customers who use the IOS-functional MIBs to obtain system CPU and memory stats from 18SXF Modular IOS images will receive incomplete system resource utilization data.

Per the following tracked defects, there are currently no MIBs available in 18SXF Modular IOS images to capture total system resource utilization (though this information can still be captured by the appropriate CLI commands). This added functionality is a development feature for future SXH Modular IOS releases, that has been scrutinized and forfeited in the 18SXF throttle due to resource constraints.

- [CSCin96568: FTS-7514-1: CISCO-PROCESS-MIB support for modular IOS](#)
- [CSCsf03710: ION - Process and Mempool MIB - collapse of ion_mibs_all branch](#)



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We have investigated several possible workarounds, but have found no practical solution when considering many large scale customer deployments. In the absence of reliable system response tracking of network events, Safe Harbor cannot recommend this code for deployment, and is therefore, postponing 18SXF Modular IOS releases for certification consideration.

Prior to this discovery, we completed and certified Cisco Safe Harbor Layer 2 Limited IOS Software Modularity Release 12.2(18)SXF5 Supervisor 32 for Enterprise Customers. Realizing the MIBs were returning only a subset of information, we recognize that these results do not contain enough information to make an informed certifiable decision. Given this lack of information on which to base acceptable results, Safe Harbor management is **deferring (failing)** this Modular IOS certification.

The content of this document for Cisco customers is available from your Cisco representative.

Please ask for **EDCS-543209**.

Cisco employees may go to the Safe Harbor website for supplemental information and related testing.

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