

How to download firmware via NET-SNMP (DES-3200)



Genmgmt.mib

Download Firmware “DES-3200_v1.20.b011.had” from TFTP server 10.90.90.199

```
#snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.1.2.1.1.3.1 a 10.90.90.199  
1.3.6.1.4.1.171.12.1.2.1.1.4.1 i 2 1.3.6.1.4.1.171.12.1.2.1.1.5.1 s DES-3200_v1.20.b011.had  
1.3.6.1.4.1.171.12.1.2.1.1.7.1 i 3 1.3.6.1.4.1.171.12.1.2.1.1.8.1 i 3  
1.3.6.1.4.1.171.12.1.2.1.1.10.1 i 1
```

1.3.6.1.4.1.171.12.1.2.1.1.3.1 a **10.90.90.199** TFTC IP address

1.3.6.1.4.1.171.12.1.2.1.1.5.1 s **DES-3200_v1.20.b011.had** F/W name

1.3.6.1.4.1.171.12.1.2.1.1.10.1 i 1 Image ID 0 = image ID 1 1 = Image ID2

ntBasicConfig agentBscSwFileTable agentBscSwFileEntry agentBscSwFileIndex agentBscSwFileDscr agentBscSwFileAddr agentBscSwFileTransferTyp agentBscSwFile agentBscSwFileLocateld agentBscSwFileLoadType agentBscSwFileCtrl agentBscSwFileBlncrement agentBscSwFileCtrlID agentBscSwFileCtrlUnitID agentBscSwFilePv6Addr agentBscSwFileBootUpImage agentBscSwFileForceAgree agentBscSwFileInterfaceNa	<p>Object name agentBscSwFileIndex Object ID 1.3.6.1.4.1.171.12.1.2.1.1.1 Module AGENT-GENERAL-MIB</p> <p>Base syntax Integer Composed syntax Integer32 Access Read-Only Status Current</p> <p>Parent node agentBscSwFileEntry First child None Description The table index for the file entry</p>
ntBasicConfig agentBscSwFileTable agentBscSwFileEntry agentBscSwFileIndex agentBscSwFileDscr agentBscSwFileAddr agentBscSwFileTransferType agentBscSwFile agentBscSwFileLocateld agentBscSwFileLoadType agentBscSwFileCtrl agentBscSwFileBlncrement agentBscSwFileCtrlID agentBscSwFileCtrlUnitID agentBscSwFilePv6Addr agentBscSwFileBootUpImage agentBscSwFileForceAgree agentBscSwFileInterfaceNa	<p>Object name agentBscSwFileDscr Object ID 1.3.6.1.4.1.171.12.1.2.1.1.2 Module AGENT-GENERAL-MIB</p> <p>Base syntax Octet String Composed syntax DisplayString Access Read-Write Status Current Value list 1 : 0..64</p> <p>Parent node agentBscSwFileEntry First child None Description The description of the purpose of the software file in this entry. Note: For systems which do not support change of this object, setting a value to this object will cause the system to return bad-value error messages.</p>
ntBasicConfig agentBscSwFileTable agentBscSwFileEntry agentBscSwFileIndex agentBscSwFileDscr agentBscSwFileAddr agentBscSwFileTransferTyp agentBscSwFile agentBscSwFileLocateld agentBscSwFileLoadType agentBscSwFileCtrl agentBscSwFileBlncrement agentBscSwFileCtrlID agentBscSwFileCtrlUnitID agentBscSwFilePv6Addr agentBscSwFileBootUpImage agentBscSwFileForceAgree agentBscSwFileInterfaceNa	<p>Object name agentBscSwFileAddr Object ID 1.3.6.1.4.1.171.12.1.2.1.1.3 Module AGENT-GENERAL-MIB</p> <p>Base syntax IP Address Composed syntax IPAddress Access Read-Write Status Current</p> <p>Parent node agentBscSwFileEntry First child None Description The IP address where the file to be downloaded is located, or the IP address where the file will be uploaded to.</p>
ntBasicConfig agentBscSwFileTable agentBscSwFileEntry agentBscSwFileIndex agentBscSwFileDscr agentBscSwFileAddr agentBscSwFileTransferType agentBscSwFile agentBscSwFileLocateld agentBscSwFileLoadType agentBscSwFileCtrl agentBscSwFileBlncrement agentBscSwFileCtrlID agentBscSwFileCtrlUnitID agentBscSwFilePv6Addr agentBscSwFileBootUpImage agentBscSwFileForceAgree agentBscSwFileInterfaceNa	<p>Object name agentBscSwFileTransferType Object ID 1.3.6.1.4.1.171.12.1.2.1.1.4 Module AGENT-GENERAL-MIB</p> <p>Base syntax Integer Composed syntax INTEGER Access Read-Write Status Current Value list 1 : other(1) 2 : network-load(2) 3 : out-of-band-load(3)</p> <p>Parent node agentBscSwFileEntry First child None Description The channel through which the file will be downloaded or uploaded. Note: For systems which do not support all channels, setting a value to the unsupported channel will cause the system to return bad-value error messages.</p>

ntBasicConfig agentBscSwFileTable agentBscSwFileEntry agentBscSwFileIndex agentBscSwFileDscr agentBscSwFileAddr agentBscSwFileTran agentBscSwFile agentBscSwFileLoc agentBscSwFileLoca agentBscSwFileCtrl agentBscSwFileBInc agentBscSwFileCtrlI agentBscSwFileCtrlU agentBscSwFilePv6 agentBscSwFileBoot agentBscSwFileForc agentBscSwFileInfer	<p>Object name agentBscSwFile Object ID 1.3.6.1.4.1.171.12.1.2.1.1.5 Module AGENT-GENERAL-MIB</p> <p>Base syntax Octet String Composed syntax DisplayString Access Read-Write Status Current Value list 1 : 0..128</p> <p>Parent node agentBscSwFileEntry First child None Description The name of the file to be downloaded from the TFTP server, or to be uploaded to.</p>
ntBasicConfig agentBscSwFileTable agentBscSwFileEntry agentBscSwFileIndex agentBscSwFileDscr agentBscSwFileAddr agentBscSwFileTran agentBscSwFile agentBscSwFileLoc agentBscSwFileLoca agentBscSwFileCtrl agentBscSwFileBInc agentBscSwFileCtrlI agentBscSwFileCtrlU agentBscSwFilePv6 agentBscSwFileBoot agentBscSwFileForc agentBscSwFileInfer agentFileTransfer	<p>Object name agentBscSwFileLocateId Object ID 1.3.6.1.4.1.171.12.1.2.1.1.6 Module AGENT-GENERAL-MIB</p> <p>Base syntax Integer Composed syntax INTEGER Access Read-Write Status Current Value list 1 : 1..16</p> <p>Parent node agentBscSwFileEntry First child None Description This object describes the type of the file. runtime-code(1), log-file(2), cfg-file(3) Note: For systems which do not support change of this object, setting a value to this object will cause the system to return bad-value error messages.</p>
ntBasicConfig agentBscSwFileTable agentBscSwFileEntry agentBscSwFileIndex agentBscSwFileDscr agentBscSwFileAddr agentBscSwFileTran agentBscSwFile agentBscSwFileLoc agentBscSwFileLoca agentBscSwFileCtrl agentBscSwFileBInc agentBscSwFileCtrlI agentBscSwFileCtrlU agentBscSwFilePv6 agentBscSwFileBoot agentBscSwFileForc agentBscSwFileInfer agentFileTransfer agentSystemReset	<p>ne agentBscSwFileLoadType Object ID 1.3.6.1.4.1.171.12.1.2.1.1.7 Module AGENT-GENERAL-MIB</p> <p>ax Integer syntax INTEGER Access Read-Write Status Current t 1 : other(1) 2 : upload(2) 3 : download(3)</p> <p>de agentBscSwFileEntry ld None on This object provides the user with a choice of uploading or downloading the selected file. Note: For systems which do not support change of this object, setting a value to this object will cause the system to return bad-value error messages.</p>
ntBasicConfig agentBscSwFileTable agentBscSwFileEntry agentBscSwFileIndex agentBscSwFileDscr agentBscSwFileAddr agentBscSwFileTran agentBscSwFile agentBscSwFileLoc agentBscSwFileLoca agentBscSwFileCtrl agentBscSwFileBInc agentBscSwFileCtrlI agentBscSwFileCtrlU agentBscSwFilePv6 agentBscSwFileBoot agentBscSwFileForc agentBscSwFileInfer agentFileTransfer agentSystemReset agentRs232PortConfig agentOutOfBandBaudRateC agentSaveCfg swMultilImageInfoTable swMultilImageInfoEntry swMultilImageInfoID swMultilImageVersion swMultilImageSize agentBscSwFileInfer	<p>agentBscSwFileCtrl Object ID 1.3.6.1.4.1.171.12.1.2.1.1.8 Module AGENT-GENERAL-MIB</p> <p>Integer syntax INTEGER Access Read-Write Status Current 1 : other(1) 2 : inactive(2) 3 : start(3) 4 : delete(4) 5 : config-as-bootup(5) 6 : apply(6)</p> <p>agentBscSwFileEntry Note: For systems which do not support change of this object, setting a value to this object will cause the system to return bad-value error messages.</p> <p>start - activate firmware. delete(4) - delete the firmware by indicated firmware ID. config-as-bootup(5) - configured as bootup firmware by indicated firmware ID. apply(6) - apply the configuration to be the active configuration by indicated config ID.</p>

ntBasicConfig agentBscSwFileTable agentBscSwFileEntry agentBscSwFileIndex agentBscSwFileDscr agentBscSwFileAddr agentBscSwFileTran agentBscSwFile agentBscSwFileLoc agentBscSwFileLoca agentBscSwFileCtrl agentBscSwFileBlnc agentBscSwFileCtrlU agentBscSwFileCtrlP agentBscSwFilePv6 agentBscSwFileBoot agentBscSwFileForc agentBscSwFileInterl	<p>Object name agentBscSwFileBlnc Object ID 1.3.6.1.4.1.171.12.1.2.1.1.9 Module AGENT-GENERAL-MIB</p> <p>Base syntax Integer Composed syntax TruthValue Access Read-Write Status Current</p> <p>Parent node agentBscSwFileEntry First child None Description This object indicates whether the previous configuration will remain valid or not after downloading the configuration file. True : keep valid False : erase.</p>
ntBasicConfig agentBscSwFileTable agentBscSwFileEntry agentBscSwFileIndex agentBscSwFileDscr agentBscSwFileAddr agentBscSwFileTran agentBscSwFile agentBscSwFileLoc agentBscSwFileLoca agentBscSwFileCtrl agentBscSwFileBlnc agentBscSwFileCtrlID agentBscSwFileCtrlU agentBscSwFileCtrlP agentBscSwFilePv6 agentBscSwFileBoot agentBscSwFileForc agentBscSwFileInterl	<p>Object name agentBscSwFileCtrlID Object ID 1.3.6.1.4.1.171.12.1.2.1.1.10 Module AGENT-GENERAL-MIB</p> <p>Base syntax Integer Composed syntax INTEGER Access Read-Write Status Current</p> <p>Parent node agentBscSwFileEntry First child None Description The section ID of firmware image or configuration file. A value of 0 indicates the bootup firmware image or configuration file.</p>
ntBasicConfig agentBscSwFileTable agentBscSwFileEntry agentBscSwFileIndex agentBscSwFileDscr agentBscSwFileAddr agentBscSwFileTran agentBscSwFile agentBscSwFileLoc agentBscSwFileLoca agentBscSwFileCtrl agentBscSwFileBlnc agentBscSwFileCtrlU agentBscSwFileCtrlP agentBscSwFilePv6 agentBscSwFileBoot agentBscSwFileForc agentBscSwFileInterl agentFileTransfer agentSystemReset	<p>Object name agentBscSwFileCtrlUnitID Object ID 1.3.6.1.4.1.171.12.1.2.1.1.11 Module AGENT-GENERAL-MIB</p> <p>Base syntax Octet String Composed syntax UnitList Access Read-Write Status Current Value list 1 : 0..3</p> <p>Parent node agentBscSwFileEntry First child None Description Specifies to which unit of the switch stack the firmware image will be downloaded. One or more units can be set to this list. Each bit from left to right represents the switch from unit ID 1 to unit ID 12. A NULL entry in this field denotes all switches in the switch stack.</p>
ntBasicConfig agentBscSwFileTable agentBscSwFileEntry agentBscSwFileIndex agentBscSwFileDscr agentBscSwFileAddr agentBscSwFileTran agentBscSwFile agentBscSwFileLoc agentBscSwFileLoca agentBscSwFileCtrl agentBscSwFileBlnc agentBscSwFileCtrlU agentBscSwFilePv6Addr agentBscSwFileCtrlP agentBscSwFileBoot agentBscSwFileForc agentBscSwFileInterl	<p>Object name agentBscSwFilePv6Addr Object ID 1.3.6.1.4.1.171.12.1.2.1.1.12 Module AGENT-GENERAL-MIB</p> <p>Base syntax Octet String Composed syntax Ipv6Address Access Read-Write Status Current Value list 1 : 16..16</p> <p>Parent node agentBscSwFileEntry First child None Description The IPv6 address where the file is to be downloaded or uploaded.</p>

<pre> ntBasicConfig agentBscSwFileTable agentBscSwFileEntry agentBscSwFileIndex agentBscSwFileDscr agentBscSwFileAddr agentBscSwFileTran agentBscSwFile agentBscSwFileLoc agentBscSwFileLoc agentBscSwFileCtrl agentBscSwFileBInc agentBscSwFileCtrlC agentBscSwFileCtrlU agentBscSwFilePv6 agentBscSwFileBootUpImage agentBscSwFileForceAgree agentBscSwFileInterf agentFileTransfer agentSystemReset agentRs232PortConfig agentOutOfBandBaudRateC agentSaveCfg swMultimageInfoTable swMultimageInfoEntry swMultimageInfoD swMultimageVersion swMultimageSize swMultimageUpdate </pre>	<p>agentBscSwFileBootUpImage 1.3.6.1.4.1.171.12.1.2.1.1.13 AGENT-GENERAL-MIB</p> <p>Base syntax Integer Composed syntax TruthValue Access Read-Write Status Current Value list 1 : true(1) 2 : false(2)</p> <p>Parent node agentBscSwFileEntry First child None Description The result of the download will depend on whether the boot_up option is specified. Case 1: In the case where the master unit provides the file system and the slave unit does not provide the file system, when boot_up is specified, the file will be downloaded to the boot_up image on the slave. If boot_up is not specified, then the file will not be downloaded to this slave unit. Case 2: In the case where the master unit does not provide the file system and the slave unit provides the file system, when boot_up is specified, then the file will be downloaded to the boot_up image on the slave unit. If boot_up is not specified, then the file will not be downloaded to this slave unit. Case 3: In the case where the master unit and the slave unit both support or do not support the file system, the file will be downloaded to the specified file on the slave unit. If boot_up is specified, the downloaded file will be assigned as the boot_up image.</p> <p>True : boot_up option is specified. False : boot_up option is not specified..</p>
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<pre> ntBasicConfig agentBscSwFileTable agentBscSwFileEntry agentBscSwFileIndex agentBscSwFileDscr agentBscSwFileAddr agentBscSwFileTran agentBscSwFile agentBscSwFileLoc agentBscSwFileLoc agentBscSwFileCtrl agentBscSwFileBInc agentBscSwFileCtrlC agentBscSwFileCtrlU agentBscSwFilePv6 agentBscSwFileBootUpImage agentBscSwFileForceAgree agentBscSwFileInterf agentFileTransfer agentSystemReset </pre>	<p>Object name agentBscSwFileForceAgree Object ID 1.3.6.1.4.1.171.12.1.2.1.1.14 Module AGENT-GENERAL-MIB</p> <p>Base syntax Integer Composed syntax TruthValue Access Read-Write Status Current Value list 1 : true(1) 2 : false(2)</p> <p>Parent node agentBscSwFileEntry First child None Description When the force_agree option is specified, the reboot command will be executed immediately without further confirmation by the user.</p> <p>True : force_agree option is specified. False : force_agree option is not specified..</p>
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<pre> ntBasicConfig agentBscSwFileTable agentBscSwFileEntry agentBscSwFileIndex agentBscSwFileDscr agentBscSwFileAddr agentBscSwFileTran agentBscSwFile agentBscSwFileLoc agentBscSwFileLoc agentBscSwFileCtrl agentBscSwFileBInc agentBscSwFileCtrlC agentBscSwFileCtrlU agentBscSwFilePv6 agentBscSwFileBoot agentBscSwFileForceAgree agentBscSwFileInterf agentFileTransfer </pre>	<p>Object name agentBscSwFileInterfaceName Object ID 1.3.6.1.4.1.171.12.1.2.1.1.15 Module AGENT-GENERAL-MIB</p> <p>Base syntax Octet String Composed syntax DisplayString Access Read-Write Status Current Value list 1 : 0..12</p> <p>Parent node agentBscSwFileEntry First child None Description This node is used to specify interface name when the agentBscSwFileIPv6Addr is link local address.</p>
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agentBasicConfig	
agentBscSwfileTable	
agentBscSwfileEntry	
agentBscSwfileInc	
agentBscSwfileDs	
agentBscSwfileAd	
agentBscSwfileTr	
agentBscSwfile	
agentBscSwfileLo	
agentBscSwfileRo	
agentBscSwfileCtr	
agentBscSwfileBlr	
agentBscSwfileCtr	
agentBscSwfileCtr	
agentBscSwfileP	
agentBscSwfileBo	
agentBscSwfileFo	
agentBscSwfileEnt	
agentFileTransfer	
agentSystemReset	
agentRs232PortConfig	
agentDwDIBandBaudRate	
agentSaveCfg	
swMultilimageInfoTable	
swMultilimageInfoEntry	