

# Cisco IOS Software Release 12.3(7)XI

Document ID: 60645

Please provide your feedback on this document.

| <b>Description of the Release</b>  | <p>Cisco IOS® Software Release 12.3(7)XI is an ED (XED) release optimized for the Bastille Phase 1 project.</p> <p>This release is based upon Cisco IOS Software 12.3(7)T maintenance release. This release introduces IOS support for:</p> <ul style="list-style-type: none"><li>• The Cisco 10000 Series Performance Routing Engine 2 (PRE2) features. The PRE2 is the next generation forwarding engine for the Cisco 10000 Series product line.</li><li>• Feature acceleration of broadband LAC functionality that uses the second CPU on the 7301.</li><li>• Virtual Route Forwarding (VRF) Domain Mapping feature for Cisco 7200 and Catalyst 10000.</li></ul> <p>Any early deployment (ED) release of software should be used in a test network before it is deployed in a production network.</p> <p>This page contains information about these maintainence releases of Cisco IOS Software Release 12.3(7)XI:</p> <ul style="list-style-type: none"><li>• 12.3(7)XI2</li><li>• 12.3(7)XI3</li><li>• 12.3(7)XI4</li><li>• 12.3(7)XI5</li><li>• 12.3(7)XI6</li></ul>  |                     |            |                     |                |   |                   |            |  |                   |            |  |                   |
|------------------------------------|--|---------------------|------------|---------------------|----------------|---|-------------------|------------|--|-------------------|------------|--|-------------------|
| <b>Product and Feature Support</b> | <p>Cisco IOS Software Release 12.3(7)XI supports these platforms:</p> <table border="1"><thead><tr><th data-bbox="437 1360 903 1440">Product/Feature</th><th data-bbox="903 1360 1193 1440">Image Name</th><th data-bbox="1193 1360 1444 1440">Memory Requirements</th></tr></thead><tbody><tr><td data-bbox="437 1440 903 1730">Catalyst 10000</td><td data-bbox="903 1440 1193 1730"><ul style="list-style-type: none"><li>• c10k2-eboot-mz</li><li>• c10k2-p11-mz</li><li>• c10k2-p11u2-mz</li><li>• c10k2-k8p11-mz</li><li>• c10k2-k9p11-mz</li><li>• c10k2-k8p11u2-mz</li><li>• c10k2-k9p11u2-m</li></ul></td><td data-bbox="1193 1440 1444 1730">See Release Notes</td></tr><tr><td data-bbox="437 1730 903 1877">Cisco 7200</td><td data-bbox="903 1730 1193 1877"><ul style="list-style-type: none"><li>• c7200-is-mz</li><li>• c7200-p-mz</li><li>• c7200-js-mz</li></ul></td><td data-bbox="1193 1730 1444 1877">See Release Notes</td></tr><tr><td data-bbox="437 1877 903 1997">Cisco 7301</td><td data-bbox="903 1877 1193 1997"><ul style="list-style-type: none"><li>• c7301-is-mz</li><li>• c7301-p-mz</li></ul></td><td data-bbox="1193 1877 1444 1997">See Release Notes</td></tr></tbody></table> | Product/Feature     | Image Name | Memory Requirements | Catalyst 10000 | <ul style="list-style-type: none"><li>• c10k2-eboot-mz</li><li>• c10k2-p11-mz</li><li>• c10k2-p11u2-mz</li><li>• c10k2-k8p11-mz</li><li>• c10k2-k9p11-mz</li><li>• c10k2-k8p11u2-mz</li><li>• c10k2-k9p11u2-m</li></ul> | See Release Notes | Cisco 7200 | <ul style="list-style-type: none"><li>• c7200-is-mz</li><li>• c7200-p-mz</li><li>• c7200-js-mz</li></ul> | See Release Notes | Cisco 7301 | <ul style="list-style-type: none"><li>• c7301-is-mz</li><li>• c7301-p-mz</li></ul> | See Release Notes |
| Product/Feature                    | Image Name   | Memory Requirements |            |                     |                |   |                   |            |  |                   |            |  |                   |
| Catalyst 10000                     | <ul style="list-style-type: none"><li>• c10k2-eboot-mz</li><li>• c10k2-p11-mz</li><li>• c10k2-p11u2-mz</li><li>• c10k2-k8p11-mz</li><li>• c10k2-k9p11-mz</li><li>• c10k2-k8p11u2-mz</li><li>• c10k2-k9p11u2-m</li></ul>  | See Release Notes   |            |                     |                |   |                   |            |  |                   |            |  |                   |
| Cisco 7200                         | <ul style="list-style-type: none"><li>• c7200-is-mz</li><li>• c7200-p-mz</li><li>• c7200-js-mz</li></ul>   | See Release Notes   |            |                     |                |   |                   |            |  |                   |            |  |                   |
| Cisco 7301                         | <ul style="list-style-type: none"><li>• c7301-is-mz</li><li>• c7301-p-mz</li></ul>   | See Release Notes   |            |                     |                |   |                   |            |  |                   |            |  |                   |

- c7301–js–mz
- c7301–i12s–mz  
(hidden bundled image not shown on IOS upgrade planner)

Cisco IOS Software Release 12.3(7)XI2 supports these platforms:

| Product/Feature | Image Name        | Memory Requirements |
|-----------------|-------------------|---------------------|
| 10000–PRE2      | See Release Notes | See Release Notes   |
| Cisco 7200      | See Release Notes | See Release Notes   |
| Cisco 7301      | See Release Notes | See Release Notes   |

Cisco IOS Software Release 12.3(7)XI3 supports these platforms:

| Product/Feature | Image Name   | Memory Requirements |
|-----------------|--|---------------------|
| 10000–PRE2      | c10k2–eboot–mz<br>c10k2–k8p11u2–mz<br>c10k2–k9p11–mz<br>c10k2–k9p11u2–mz<br>c10k2–p11–mz<br>c10k2–p11u2–mz | See Release Notes   |
| Cisco 7200      | c7200–is–mz<br>c7200–js–mz<br>c7200–kboot–mz<br>c7200–p–mz   | See Release Notes   |
| Cisco 7301      | c7301–boot–mz<br>c7301–is–mz<br>c7301–js–mz<br>c7301–p–mz  | See Release Notes   |

Cisco IOS Software Release 12.3(7)XI4 supports these platforms:

| Product/Feature | Image Name        | Memory Requirements |
|-----------------|-------------------|---------------------|
| 10000–PRE2      | See Release Notes | See Release Notes   |

Cisco IOS Software Release 12.3(7)XI5 supports these platforms:

| Product/Feature | Image Name        | Memory Requirements |
|-----------------|-------------------|---------------------|
| 10000–PRE2      | See Release Notes | See Release Notes   |
| Cisco 7200      | See Release Notes | See Release Notes   |
| Cisco 7301      | See Release Notes | See Release Notes   |

Cisco IOS Software Release 12.3(7)XI6 supports these platforms:

| Product/Feature | Image Name        | Memory Requirements |
|-----------------|-------------------|---------------------|
| 10000–PRE2      | See Release Notes | See Release Notes   |
| Cisco 7200      | See Release Notes | See Release Notes   |
| Cisco 7301      | See Release Notes | See Release Notes   |

**Feature Description:**

Catalyst 10000

- Diffserv Compliant WRED: FEAT–14022
- CALEA for Voice: FEAT–14356
- MPLS QoS: FEAT–14358
- 3 color policer: FEAT–14360
- distributed time based access lists: FEAT–14362
- 3 level policy maps:FEAT–14364
- Interface oversub (VC over subscription): FEAT–14366
- MPLS Diff–serve aware Traffic Engineering – FEAT–14382
- IP unnumbered on vlans: FEAT–14384
- eiBGP multipath loadbalancing: –FEAT–14401
- hierarchical shaping VC into VP tunnels – FEAT–14403
- receive ACLs: FEAT–14409
- VBR NRT Oversubscription: FEAT–14411
- RA–MPLS: FEAT–96736
- VRF Domain Mapping – Local AAA Attribute Support via Subscriber Prof. – FEAT–14256

Cisco 7200

- VRF Domain Mapping – Local AAA Attribute Support via Subscriber Profile – FEAT–14256

Cisco 7301

- Multi Processor Forwarding For Broadband LAC (Broiler project)– FEAT–13882

**Support Pages**

For more information, consult these web pages:

**Release Documentation**

- 12.3(7)XI Product Bulletin
- 12.3(7)XI Release Notes

**Parent Release Documentation**

- Cisco 12.3T Release Notes

**Other Links**

- Cisco IOS General Information
- Cisco IOS Software Release Field Notices

|   |  |                       |                            |
|---|--|-----------------------|----------------------------|
|   | <ul style="list-style-type: none"> <li>• Cisco IOS Software Release Reference Guide</li> <li>• Projected Release Dates</li> </ul>  |                       |                            |
| <b>Target Market</b>  | Cisco Systems, Inc. released Cisco IOS Software Release 12.3(7)XI as a short-lived early deployment (ED) release for the Cisco 7200, 7301, and Catalyst 10000 platforms. It is targeted for the Service Provider market. |                       |                            |
| <b>Lifecycle of Release</b>   | Cisco IOS Software Release Reference Guide   |                       |                            |
|   | <b>Milestones</b>  | <b>Y2K Compliance</b> | <b>Release Designation</b> |
|   | <b>Cisco IOS Software Release 12.3(7)XI</b><br><br>CCO FCS: June 21, 2004<br><br>MFG FCS: June 28, 2004<br><br>EOS:<br><br>EOE:<br><br>EOL:  | Yes                   | XED Release                |
|   | <b>Cisco IOS Software Release 12.3(7)XI2</b><br><br>CCO FCS: November 11, 2004<br><br>MFG FCS: November 17, 2004<br><br>EOS:<br><br>EOE:<br><br>EOL:   |                       |                            |
|   | <b>Cisco IOS Software Release 12.3(7)XI3</b><br><br>CCO FCS: March 17, 2005<br><br>MFG FCS: March 24, 2005<br><br>EOS:<br><br>EOE:<br><br>EOL:   |                       |                            |
| <b>Cisco IOS Software Release 12.3(7)XI4</b><br><br>CCO FCS: April 21, 2005 |  |                       |                            |

|  |  |  |  |
|--|--|--|--|
|  | <p>MFG FCS: April 28, 2005</p> <p>EOS:</p> <p>EOE:</p> <p>EOL:</p> <p><b>Cisco IOS Software Release 12.3(7)XI5</b></p> <p>CCO FCS: May 13, 2005</p> <p>MFG FCS: May 19, 2005</p> <p>EOS:</p> <p>EOE:</p> <p>EOL:</p> <p><b>Cisco IOS Software Release 12.3(7)XI6</b></p> <p>CCO FCS: June 21, 2005</p> <p>MFG FCS: June 28, 2005</p> <p>EOS:</p> <p>EOE:</p> <p>EOL:</p> |  |  |
|--|--|--|--|

| <b>Maintenance Releases</b>  | <p>It is highly recommended that Release Notes are used to determine if a maintenance release should be used. Release Notes provide announcements of new features and a summary of known caveats at the time of the renumber.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #cccccc;"> <th style="width: 50%; text-align: center;">Maintenance Cycle</th> <th style="width: 50%; text-align: center;">Download Image</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; vertical-align: middle;">           Cisco IOS Software Release 12.3(7)XI<br/>           – No maintenance plans for an x release.         </td> <td></td> </tr> </tbody> </table> <p>Important Notes: N/A</p> |  |  | Maintenance Cycle | Download Image | Cisco IOS Software Release 12.3(7)XI<br>– No maintenance plans for an x release. |  |
|--|---|--|--|-------------------|----------------|--|--|
| Maintenance Cycle  | Download Image  |  |  |                   |                |  |  |
| Cisco IOS Software Release 12.3(7)XI<br>– No maintenance plans for an x release. |   |  |  |                   |                |  |  |

## **Interim Builds**

Short-lived X releases do not provide interim builds.

## **Recommended Customer Migration Path**

To view the projected release date of Cisco IOS Software Release 12.3(7)XI, see the Projected Release Dates for Cisco IOS Software Release Product Bulletin.

---

All contents are Copyright ©1992--2004 Cisco Systems Inc. All rights reserved. Important Notices and Privacy Statement.

---

Updated: Jul 06, 2005

Document ID: 60645

---