

Cable FAQs

Document ID: 12177

Questions

- What is a basic sample configuration for a cable interface on a Cisco uBR7200 Series?**
- What is a basic sample configuration for a cable interface on a Cisco uBR7100 Series?**
- How do I configure the cable modem termination system (CMTS) to run Time of Day (ToD), Trivial File Transfer Protocol (TFTP), and Dynamic Host Configuration Protocol (DHCP) all in one?**
- Can Cisco Cable Modem Termination Systems (CMTS) be configured as a bridge?**
- Does the Cisco CMTS support PPPoE?**
- How do I configure Baseline Privacy in DOCSIS1.0?**
- How do I configure bundling on a Cisco CMTS?**
- What does the default bridging configuration look like in a Cisco Cable Modem?**
- How do I configure the Cisco Cable Modem for routing?**
- How do I configure the cable modem as a router doing Network Address Translation (NAT)?**
- How do I configure cable gateways to do VoIP statically without a gatekeeper?**
- How do I configure H.323 RAS VoIP in the Cable environment?**
- How do I configure IPSec on a cable modem?**
- How do I configure GRE on a cable modem?**
- Who is in charge of the DOCSIS specification and where can I find the specifications?**
- What is the difference between a DOCSIS Config File and an IOS Config File?**
- What is the minimum DOCSIS protocol requirements for a cable modem to come online?**
- Where can I get the Cisco Template DOCSIS Configuration Files bronze.cm, silver.cm, gold.cm, and platinum.cm?**
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- Are DOCSIS 1.0 cable modems compatible with DOCSIS 1.0+ CMTS?**
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- How does the DOCSIS 1.0+ architecture work?**
- How do we ensure that an ITCM subscriber provisioned for two virtual phone lines only gets up to two high quality dynamic CBR QoS SIDs at runtime?**
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- Are there any other network-wide configuration issues that need to be taken into account in the DOCSIS 1.0+ environment?**
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- What is the migration plan for DOCSIS 1.0+ and DOCSIS 1.1?**
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- Which Cisco Hardware Platforms support DOCSIS 1.1?**
- What are the major differences between DOCSIS 1.0 and DOCSIS 1.1?**
- What are the new software features in DOCSIS 1.1?**
- Are there any new MIBs supported on DOCSIS 1.1?**
- What Cisco IOS version supports Telco-Return?**
- Can I use the standard DOCSIS CPE Configurator tool to create and maintain DOCSIS**

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How do I access CNR remotely if the CNR server is behind a firewall?
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What is a scope in CNR and how do I configure it?
How do I configure Client Class Processing via CNR's GUI?
How to Calculate the Hexadecimal Value for DHCP Option 2 (time offset)
How does the CMTS know the difference between PCs and modems?
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How do I measure the downstream power signal from the MC-xx card?
How do I measure the downstream power signal from the upconverter output?
Why is it, on GI upconverters, that the frequency must be set at 1.75 MHz less than the center frequency for a particular NTSC channel?
What is meant by "unity gain?"
What is the correlation between the minislots and channel widths?
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What does the "*" and "!" mean for the power level reading on the "show cable modem" command?
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What are the differences between the Cisco uBR924 Cable Access Router and the Cisco uBR905 Cable Access Router?
What are the primary differences between the Cisco CVA120 Series and the Cisco uBR900 Series?
What software feature sets are available for the Cisco uBR905 Cable Access Router at first customer ship (FCS)?
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Is the Cisco uBR905 Cable Access Router CableLabs-Certified?
Is there a EuroDOCSIS version of the Cisco uBR905 Cable Access Router?
Where can I find a more detailed FAQ for uBR905?
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Where can I find general troubleshooting and configuration SNMP information on CCO?
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How do I set up Cisco CMTS (uBR7200, uBR7100 and/or uBR10000) to send a trap to a Network Management System?
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How do I set SNMP community strings to manage Cable Modems?

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How do I configure SNMP remote query on a Cisco CMTS?

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Why does the remote–query information display values of 0.0 when I am retrieving the information?

Can I poll SNMP queries from a UNIX workstation?

How can I set filtering in a cable modem?

What are the most common MIB Objects/OIDs used in a cable environment and in which MIB I can find them?

Where can I find an online Tool to Translate Traps and Cisco MIB Object IDs to Object Names and Vice Versa?

Related Information

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A. Please click here.

Q. What is a basic sample configuration for a cable interface on a Cisco uBR7100 Series?

A. Please click here.

Q. How do I configure the cable modem termination system (CMTS) to run Time of Day (ToD), Trivial File Transfer Protocol (TFTP), and Dynamic Host Configuration Protocol (DHCP) all in one?

A. For an overview of this configuration please click here.

For a more complete discussion of this configuration please see Configuring DHCP, ToD, TFTP services on Cisco's CMTS: All–In–One Configuration.

Q. Can Cisco Cable Modem Termination Systems (CMTS) be configured as a bridge?

A. Please click here.

Q. Does the Cisco CMTS support PPPoE?

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Q. How do I configure Baseline Privacy in DOCSIS1.0?

A. Please click here.

Q. How do I configure bundling on a Cisco CMTS?

A. Please click [here](#).

Q. What does the default bridging configuration look like in a Cisco Cable Modem?

A. For an overview of this configuration please click [here](#).

For a more complete discussion of this configuration please see [Configuring Cable Modem Bridging](#).

Q. How do I configure the Cisco Cable Modem for routing?

A. For an overview of this configuration please click [here](#).

For a more complete discussion of this configuration please see:

- ◆ [Configuring Cable Modem Bridging and](#)
- ◆ [Sample Configuration and Verification for Cable in Routing Mode](#)

Q. How do I configure the cable modem as a router doing Network Address Translation (NAT)?

A. For an overview of this configuration please click [here](#).

For a more complete discussion of this configuration please see [Configuring NAT on Cable Modem](#).

Q. How do I configure cable gateways to do VoIP statically without a gatekeeper?

A. Please see [Configuring Cable Modem Voice Using H323v2 Static Mapping](#).

Q. How do I configure H.323 RAS VoIP in the Cable environment?

A. Please see [Cable Modem Voice Configuration Using H323v2 Dynamic Mapping with Gatekeeper](#).

Q. How do I configure IPSec on a cable modem?

A. Please see [IPSec Over Cable Sample Configurations and Debugs](#).

Q. How do I configure GRE on a cable modem?

A. Please see [Configuring GRE Tunnel Over Cable](#).

Q. Who is in charge of the DOCSIS specification and where can I find the specifications?

A. Please see CableLabs Cable Modem DOCSIS Specifications .

Q. What is the difference between a DOCSIS Config File and an IOS Config File?

A. Please click here.

Q. What is the minimum DOCSIS protocol requirements for a cable modem to come online?

A. Please click here.

Q. Where can I get the Cisco Template DOCSIS Configuration Files bronze.cm, silver.cm, gold.cm, and platinum.cm?

A. Please click here.

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A. Please click here.

Q. Is there an optimal configuration on the uBR7200 for maximizing the number of VoIP calls for each upstream port?

A. Please click here.

Q. Which Cisco IOS Software release supports DOCSIS 1.0+?

A. For a brief answer, please click here.

For a more complete discussion of this issue, please see DOCSIS 1.0+ Quality-of-Service Enhancements

Q. What is the migration plan for DOCSIS 1.0+ and DOCSIS 1.1?

A. Please click here.

Q. What version of IOS supports DOCSIS 1.1 on Cisco's CMTS?

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Q. Which Cisco Hardware Platforms support DOCSIS 1.1?

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Q. What are the major differences between DOCSIS 1.0 and DOCSIS 1.1?

A. Please click here.

Q. What are the new software features in DOCSIS 1.1?

A. For an overview of this issue please click here.

For a more complete discussion of this configuration please see DOCSIS 1.1 for Cisco uBR7200 Series Universal Broadband Routers.

Q. Are there any new MIBs supported on DOCSIS 1.1?

A. Please click here.

Q. What Cisco IOS version supports Telco–Return?

A. Cisco IOS versions that support Telco–return are the EC, XR, and T releases including the Telco–Return feature set (t).

Q. Can I use the standard DOCSIS CPE Configurator tool to create and maintain DOCSIS configuration files that support DOCSIS 1.1 features?

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For a more complete discussion of this issue please see [Connecting the Cisco uBR7200 Series Router to the Cable Headend](#).

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Q. Is there a EuroDOCSIS version of the Cisco uBR905 Cable Access Router?

A. Please click [here](#).

Q. Where can I find a more detailed FAQ for uBR905?

A. Please read [Q & A Cisco uBR905 Cable Access Router](#) for a more detailed FAQ on uBR905.

Q. What documents on CCO are available to help me understand SNMP?

A. Please see [Internetworking Technology Overview – Simple Network Management Protocol \(SNMP\)](#).

Q. Where can I find general troubleshooting and configuration SNMP information on CCO?

A. Please see [SNMP FAQs for Cable Networks](#).

Q. What is an SNMP Trap?

A. For an overview of this issue click [here](#).

For a more complete discussion of this issue please see [Understanding Simple Network Management Protocol \(SNMP\) Traps](#).

Q. How do I set up Cisco CMTS (uBR7200, uBR7100 and/or uBR10000) to send a trap to a Network Management System?

A. Please click [here](#).

Q. Which MIBs are supported in Cisco uBR7200 Series routers?

A. Please see UBR7200 Series MIB Support Lists.

For a complete list of MIBs for all Cisco products please go to Cisco MIBs.

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For more detailed information about the remote-query command see Configuring cable modem remote-query Command.

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Q. Where can I find an online Tool to Translate Traps and Cisco MIB Object IDs to Object Names and Vice Versa?

A. You can find the SNMP Object Navigator on the [Cisco IOS MIB Tools](#) page.

Related Information

- [Technical Support – Cisco Systems](#)
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