



Dialogic[®] PowerMedia[™] IP Media Server

Command Line Interface (CLI) Reference Guide

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Dialogic® PowerMedia™ IP Media Server Documentation Set

Dialogic provides the following publications:

- The *Software Quick Start Guide* describes how to install and configure Red Hat Enterprise Linux and IP Media Server software, configure a softphone, and run a demo.
- The *Installation and Operations Guide* provides instructions for configuring, administering, and maintaining the IP Media Server.
- The *Application Developer's Guide* provides information for application developers who choose to use the IP Media Server to deploy network announcements, conferences, and Interactive Voice Response (IVR) in a voice over IP (VoIP) environment.
- The *Command Line Interface Reference Guide* describes the CLI utility which can be used to configure and troubleshoot the IP Media Server.
- *Installing Red Hat Enterprise Linux 5.0* describes how to install and configure Red Hat Enterprise Linux 5 if you are installing the licensed software version of the IP Media Server.
- The *License Activation Guide* describes how to activate the license for your Dialogic® IP Media Server.
- *Upgrading from Release 2.6.0 to 3.0.0 on Red Hat Enterprise Linux Server Platform* provides information and instructions for upgrading from IP Media Server Release 2.6.0 to IP Media Server Release 3.0.0 on platforms running Red Hat Enterprise Linux. It also includes instructions for downgrading in the event that you need to restore your previous configuration.

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Introduction

The Dialogic® PowerMedia™ IP Media Server (also referred to herein as the IP Media Server) has a command shell to enable configuring and troubleshooting. This shell is referred to as the Command Line Interface (CLI). IP Media Server administrators access it by a Secure Shell (SSH) or a Local teletypewriter (TTY).

The CLI allows IP Media Server administrators to develop monitoring and configuration management scripts using tools such as Tool Command Language (TCL), Perl, and Expect. In addition, the CLI provides controlled access to the underlying software and hardware components.

Using the CLI

User Management and Roles

There are two roles for administrators:

- Administrator
- Operator

The CLI is responsible for separating the commands between the two roles.

Administrators are allowed to modify the configuration and have a wider view of system services and processes. Operators are restricted to viewing the core IP Media Server configuration and statistical information.

Logging In

There are two default user accounts:

- msadmin – has administrator privileges
- msoper – has operator privileges

Follow the steps to log into the CLI:

1. From a Secure Shell, enter the SSH command to access your IP Media Server.

```
bfulginiti@bfulginiti-a50p ~  
$ ssh msadmin@192.168.16.35  
msadmin@192.168.16.35's password:
```

2. Enter your password and press **Enter**. You are now logged into Exec Mode. The default password is **snowshore**.

Modes

The CLI supports the following hierarchical command modes:

- Exec
 - Privileged
 - Configure
 - Accounting
 - Audiocodec
 - Fax
 - Logging
 - Loglevel
 - Mediaengine
 - SDP
 - SIP
 - Videocodec
 - Vxml
 - Vxml 1.0
 - Vxml 2.0

Each CLI command mode contains specific commands. The following table lists the command modes and how to access them. Use the **Quit** command to exit each mode.

Command Mode	Access Method	Prompt
Exec	Log into CLI	ms>
Privileged	Type enable from Exec mode	ms#
Configure	Type configure from Privileged mode	ms (configure) #
Accounting	Type accounting from configure mode	ms (configure.accounting)#
Audiocodec	Type audiocodec from configure mode	ms (configure.audiocodec)#
Fax	Type fax from configure mode	ms (configure.fax)#
Logging	Type logging from configure mode	ms (configure.logging.)#
Loglevel	Type loglevel from configure mode	ms (configure.loglevel)#
Media Engine	Type mediaengine from configure mode	ms (configure.mediaengine)#
SDP	Type sdp from configure mode	ms (configure.sdp)#
SIP	Type sip from configure mode	ms (configure.sip)#
Videocodec	Type videocodec from the configure mode	ms (configure.videocodec)#
VXML	Type vxml from configure mode	ms (configure.vxml)#
VXML1.0	Type vxml1.0 from configure mode	ms (configure.vxml1.0)#
VXML2.0	Type vxml2.0 from configure mode	ms (configure.vxml2.0)#

Note: you can navigate from one mode to another by typing the name of the mode. For example if you are in videocodec mode, you type SIP and the CLI puts you in SIP mode.

CLI Interactive Help Commands

Use the following commands to review help when using the CLI.

Command	Purpose
help	Provides a brief description of the commands in the current mode.
?	Lists all commands for a particular command mode.
partial command?	Provides a list of commands that begin with the character string (no space between the command and the question mark).
partial command Tab	Completes a partial command name (no space between the command and <Tab>).
command ?	Lists the keywords, arguments, or both associated with the command. Include a space between the command and the question mark.
Command keyword ?	List the arguments that are associated with the keyword. Include a space between the command and the question mark.

CLI Syntax

Use the following syntax when navigating the CLI.

Keyboard Action	Purpose
Ctrl & C	Aborts currently running command.
<>	The option is an argument.
Escape Escape	Provides a list of possible completions from the current end of input.
Escape-Backspace	Clears the command line one string at a time.
CR	Indicates the end of the list of available keywords and arguments, and also indicates when keywords and arguments are optional. When CR is the only option, you have reached the end of the branch or the end of the command if the command has only one branch.
Paged output	
CR	Scroll one line
Space bar or any key beside q	Scroll one screen
q	Stop scrolling and return to the prompt

Command Syntax

The CLI uses the following command syntax.

Keyboard Action	Purpose
[]	Optional arguments
{}	Required arguments
<>	Contained argument

Keyboard Action	Purpose
	A choice
...	A range
()	Editorial comments
Integer, string, ipaddress	Data types
n/a	Not applicable

Command Reference

This section describes the CLI commands including:

- Arguments
- Mode
- Usage/Help
- Example

Every Mode Commands

The following commands are available in every mode. These commands are not repeated in subsequent sections of this document.

exit

Command

- exit

Arguments

- n/a

Mode

- every

Usage/Help

- Exit out of the CLI

Example:

```
ms# exit
```

```
Connection to 192.168.12.160 closed
```

help

Command

- help

Arguments

- n/a

Mode

- every

Usage/Help

Displays the commands and their help for this mode level.

Example:

ms# help	
autologout	Time in seconds the CLI will wait for input before automatically logging out.
clear	Clear a tty line
configure	Enter configuration mode
exit	Exit the CLI
help	Lists the commands of the current mode and their configuration
no	"no" has multiple completions
quit	Exit the current mode
reboot	Send the MS through warm reboot
reset	Restart the MS' processes
service	Have encrypted password information be visible
show	"show" has multiple completions
Shutdown	Power Down the MS
terminal	Set the current terminal length. terminal size 0" disables more prompt
write	Make current configuration be persisted and activated after reboot or reset, or if, "differences" is appended then execute the differences between startup configuration and running configuration now.

quit

Command

- quit

Arguments

- n/a

Mode

- every

Usage/Help

Backup one mode level. In the case where the level is exec, this command exists the CLI. When quitting the configuration mode, this command will persist all of the changes in the running-configuration file for later comparison to the startup-configuration when persisting differences.

Example:

```
ms(config)# quit
ms# quit
Connection to 192.168.12.160 closed.
```

Exec Mode Commands

enable

Command

- enable

Arguments

- n/a

Mode

- exec

Usage/Help

Change to privileged exec mode if you are the administrator

Example:

```
ms>enable
ms#
```

show history

Command

- show history

Arguments

- n/a

Mode

- exec
- privileged
- configure

Usage/Help

Displays the command history for this CLI session.

Example:

```
ms> show history
show history
      help
```

```
q
enable
q
ping 192.168.12.1
en
q
s how history
ms>
```

show terminal

Command

- show terminal

Arguments

- n/a

Mode

- exec
- privileged
- configure

Usage/Help

Displays the terminal/screen's width and height.

Example:

```
ms> show terminal
Terminal width / height is 80 (columns) / 25 (rows)
ms>
```

show terminal length

Command

- show terminal length

Arguments

- n/a

Mode

- exec
- privileged
- configure

Usage/Help

Displays the terminal help length.

Example:

```
ms> show terminal length
Terminal length is 24 (rows)
ms>
```

show uptime

Command

- show uptime

Arguments

- n/a

Mode

- exec
- privileged
- configure

Usage/Help

Shows how long the IP Media Server host has been running.

Example:

```
ms# show uptime
Current time : 08:45:05
Uptime      : up 103 days, 23:34
Users       : 6 users
Load Average : load average: 0.22, 0.07, 0.01
```

show version

Command

- show version

Arguments

- n/a

Mode

- exec
- privileged
- configure

Usage/Help

Displays the IP Media Server applications and their version, date, and operating system they were built for.

Example:

```
BIN fido version 3.0.0-091110B.EL
```

```
BIN sr140app version 3.0.0-091110B.EL
```

Binary Versions:

```
Binary: fido
```

```
*****
```

```
*****
```

```
Version: 3.0.0
```

```
Date: 091110B
```

```
OS: Red Hat
```

```
Binary: sr140app
```

```
*****
```

```
*****
```

```
Version: 3.0.0
```

```
Date: 091110B
```

```
OS: Red Hat
```

Package Versions:

```
Package: SNOWG2SYS
```

```
*****
```

```
*****
```

```
Version: 3.0.0
```

```
Date: 091110B
```

```
OS: Red Hat
```

```
Package: SNOWG2MPS
```

```
*****
```

```
*****
```

```
Version: 3.0.0
```

```
Date: 091110B
```

```
OS: Red Hat
```

```
Package: SNOWG2MSGUI
```

```
*****
```

```
*****
```

```
Version: 3.0.0
```

```
Date: 091110B
```

```
OS: Red Hat
```

```
Package: SNOWG2SR140
```

```
*****
```

```
*****
```

Version: 3.0.0
Date: 091110B
OS: Red Hat

Package: SNOWG2SR140GUI

Version: 3.0.0
Date: 091110B
OS: Red Hat

Package: SNOWG2MSGUI

Version: 3.0.0
Date: Unknown
OS: Unknown

Package: SNOWG2CLI

Version: 3.0.0
Date: Unknown
OS: Unknown

terminal

Command

- terminal

Arguments

- length
- integer

Mode

- exec

Usage/Help

Set the current terminal length. Select length 0 to disable the “more” prompt.

Example:

```
ms> terminal length 25  
Terminal length is now 25
```

Privileged Mode Commands

autologout

Command

- autologout

Arguments

- 0 – signifies no autologout
- `##:##` - specifies auto logout to occur in minutes and seconds

Mode

- privileged

Usage/Help

Set the current user's automatic logout time for inactivity. This command overrides the system autologout and is valid for this CLI session only.

Example:

```
ms# autologout 0
Set autologout to 0
ms#
```

clear

Command

- clear

Arguments

- `<string>` - Describes the line a user is on, as seen by using the show users command.

Mode

- privileged

Usage/Help

- Evict a CLI user on a particular line interface. Note, you are not allowed to evict yourself. The show users command displays a list of logged in users.

Example:

```
ms# clear line pts/2
User msmadmin on line pts/2 has been cleared
ms#
```

configure

Command

- configure

Arguments

- n/a

Usage Help

Enter configure mode.

```
ms# configure
Editing running configuration
ms#
```

copy

Command

- copy

Arguments

```
file://\(dir\)/\(filename\)
running-configuration
startup-configuration
>
<
running-configuration
startup-configuration
url
```

Mode

- privileged
- command

Usage/Help

Copy files off the IP Media Server.

Examples:

Copy FTP to local file


```
ms# copy ftp://dsmith:dsmith@192.168.16.35/xxx2.log
file:///var/snowshore/log/xxx.log
##### 100.0%
Copy successful
ms#
```

Copy HTTP to local file

```
ms# copy http://192.168.1.5/running-configuration running-
configuration
Do you really want to copy to the Running Configuration (yes to
confirm)? yes
##### 100.0%
Copy successful
ms#
```

Copy ftp to license file

```
ms# copy ftp://dsmith:dsmith@192.168.16.35/license.lic
file:///opt/snowshore/license/license.lic
##### 100.0%
Copy successful
ms#
```

Copy log file to ftp

```
ms# copy file:///var/snowshore/log/fido.log
ftp://dsmith:dsmith@192.168.16.35/fido.log
##### 100.0%
Copy successful
ms#
```

Copy ftp file to log

```
ms# copy ftp://dsmith:dsmith@192.168.16.35/test.log log
##### 100.0%
Copy successful
ms#
```

Copy ftp file to core

```
ms# copy ftp://dsmith:dsmith@192.168.16.35/core.123 core
##### 100.0%
Copy successful
ms#
```

no service password-encryption

Command

- No service password-encryption

Arguments

- n/a

Mode

- privileged

Usage/Help

Revert back to default behavior in which no user password information is displayed when doing a show configuration command.

Example:

```
ms# no service password-encryption
ms#
```

reboot

Command

- reboot

Arguments

- n/a

Mode

- Privileged

Usage/Help

Reboot the IP Media Server by powering down and then powering back up. Also referred to as a warm boot.

Example:

```
ms# reboot
Really reboot the IP Media Server (yes to confirm)? no
ms#
```

reset

Command

- reset

Arguments

- n/a

Mode

- privileged

Usage/Help

Reset the IP Media Server by stopping device processes and then restarting them.

Example:

```
ms# reset
Really reset the IP Media Server (yes to confirm)? no
ms#
```

service password-encryption

Command

- service password-encryption

Arguments

- n/a

Mode

- privileged

Usage/Help

Valid for this CLI session only. Displays the user configuration commands in encrypted form for a show configuration command. The default behavior is no service password-encryption applied.

Example:

```
ms# service password-encryption
ms#
```

show audit log

Command

- show audit log

Arguments

- [sort] – Optional. The following is the sorting method:
 - <ascending|descending> - Sort by ascending (oldest log entries first) or descending (most recent log entries first)
 - [<sort field string>] – Optional. An audit log field you want to sort by. Capitalization matters to have a valid match.
 - [<equal|unequal>] – Optional. Further filter by either a match (equal) or a non-match(unequal) on the following value.
 - <sort field value> - Sort value to compare against.

Mode

- privileged
- configure

Usage/Help

Display the CLI audit log.

Example:

```
ms# show audit log sort ascending USERNAME equal msmadmin
*****
*****
DESCRIPTION      : generate ssl certificate
NAME              : AUDIT LOG
TIMESTAMP        : Fri Sep 15 11:03:00 2006
TYPE              : INFORMATIONAL
USERNAME         : msmadmin
UTC               : 1158325380.69
VALUE            : SUCCESSFUL
*****
*****
DESCRIPTION      : hostname
NAME              : AUDIT LOG
TIMESTAMP        : Fri Sep 15 11:04:18 2006
TYPE              : ERROR
USERNAME         : msmadmin
UTC               : 1158325458.62
VALUE            : FAILURE
*****
*****
DESCRIPTION      : hostname BuffyTheVampireSlayer
NAME              : AUDIT LOG
TIMESTAMP        : Fri Sep 15 11:06:52 2006
```

```
TYPE                : ERROR
USERNAME            : msmadmin
UTC                 : 1158325612.71
-- more --
ms#
```

show autologout

Command

- show autologout

Arguments

- n/a

Mode

- privileged
- configure

Usage/Help

Shows the autologout parameter.

- {0} – no logout
- <##:##> - minutes:seconds for when to log the user out.

Example:

```
ms# show autologout
Autologout is currently disabled
ms#
```

show configuration

Command

- show configuration

Arguments

- {startup | running | status }

Mode

- privileged
- configure

Usage/Help

Display the configuration.

Example:

```
ms# show configuration running
!
configure
  system autologout 00:00
!
accounting
  enabled
  sample interval 30
!
fax
  port 80
  proxy port 80
!
audiocodec
  offer ptime 20
  jitter buffer max size 1
  jitter buffer nothing read depth 3
  ptime ulaw 20
  ptime g726 20
  ptime g729 20
  ptime alaw 20
  ptime amr 20
  default amr alignment bit
  amr payload 96
  amr octet alignment bit
  amr mode AMR_12.2
!
videocodec
  video fast update Media_XML_Update
  video transcoding auto
  offer video payload 1
  h263 ibit H263_location
  seconds per iframe 10
  offer h263 original fmtp None
  offer h263 1998 fmtp None
  offer h263 2000 fmtp 1
  offer h264 fmtp None
  no force h264 level 1.2 qcif
!
sip
  baseurl file:///opt/snowshore/prompts/
  conference max legs 50
  conference initial legs 2
  no conference clamp dtmf
  no conference clamp tone
  default application type dialog
  session timer 100
  listen port 1026
```

```

    provisional response code 180
    max duration 300
    allow decline options
    require 100 rel
!
sdp
    offer audio codec G711
    offer 2833
    offer payload type 2833 1
    offer video codec None
    offer direction sendreceive
    prefer offer codec
    require offer codec
!
logging
    syslog
    no log locally
    host localhost
!
loglevel
    mail to fax log level fatal
    mserv log level debug
    sipd log level debug
    recoveryd log level debug
    vxmld log level debug
    vxml2d log level debug
    fido log level debug
    mrcpapp log level debug
!
vxml
    vxml version 2
    launch script 3
    fetch timeout 32
    recovery timeout 1
    recovery max retries 3
!
vxml1.0
    last resort script 1
!
vxml2.0
    mrcp version 1
    no mrcp resource manager
!
mediaengine
    ip packet filtering on
    reject new calls cpu load percentage 101
    accept new calls cpu load percentage 101

```

show cores

Command

- show cores

Arguments

- n/a

Mode

- privileged
- configure

Usage/Help

Display the any IP Media Server core files.

Example:

```
ms# show cores
IP Media Server Cores:
ms#
```

show images

Command

- show images

Arguments

- n/a

Mode

- privileged
- configure

Usage/Help

Display the locally stored IP Media Server images.

Example:

```
ms# show images
Images:
SNOWG2PKG-2.0.0-051217A.EL4.0.i386.rpm.tar.gz
SNOWG2PKG-2.0.0-060220A.EL4.0.i386.rpm.tar.gz
SNOWG2PKG-2.1.0-060323C.EL4.0.i386.rpm.tar.gz
ms#
```

show logfile

Command

- show logfile

Arguments

- <Must be a log file> - The log file name of a log to be displayed. Used in conjunction with show logs will provide a list of valid log files.

Mode

- privileged
- configure

Usage/Help

Display a particular log file contents.

Example:

```
ms# show logfile fido.log.1
IP Media Server File: fido.log.1
#####
Mon Sep 11 09:43:19.795 2006 dsmith-ms 3603 -1208088896 DEBUG
FIDO_port = 8000
Mon Sep 11 09:43:19.795 2006 dsmith-ms 3603 -1208088896 DEBUG 03604
CHILD: happy birthday to me
Mon Sep 11 09:43:19.795 2006 dsmith-ms 3603 -1208088896 DEBUG 03604
CHILD: waiting for message
Mon Sep 11 09:43:19.796 2006 dsmith-ms 3603 -1208088896 DEBUG 03605
CHILD: happy birthday to me
Mon Sep 11 09:43:19.796 2006 dsmith-ms 3603 -1208088896 DEBUG 03605
CHILD: waiting for message
Mon Sep 11 09:43:19.796 2006 dsmith-ms 3603 -1208088896 DEBUG 03607
CHILD: happy birthday to me
Mon Sep 11 09:43:19.796 2006 dsmith-ms 3603 -1208088896 DEBUG 03607
CHILD: waiting for message
ms#
```

show logs

Command

- show logs

Arguments

- n/a

Mode

- privileged
- configure

Usage/Help

Display all available logs.

Example:

```
ms# show logs
show logs
IP Media Server Logs:
audit-backup.log.1
audit.log.1
audit.log.2
audit.log.3
audit.log.4
audit.log.5
cache_access.log
cache.log.1
cache.log.2
cache.log.3
cache.log.4
cache.log.5
CLI_audit.log
...
ms#
```

show running-configuration

Command

- show running-configuration

Arguments

Filter by the following sub-configuration modes:

- accounting
- audiocodec
- configure
- fax
- logging
- loglevel
- mediaengine
- sdp
- sip
- videocodec
- vxml
- vxml1.0

- vxml2.0

Mode

- privileged
- configure

Usage/Help

Displays the running-configuration.

Example:

```
ms# show running-configuration
!
!
configure
  system autologout 0
!
accounting
  enabled
  sample interval 30
!
fax
  port 80
  proxy port 80
!
audiocodec
  offer ptime 20
  jitter buffer max size 1
  jitter buffer nothing read depth 3
  ptime ulaw 20
  ptime g726 20
  ptime g729 20
  ptime alaw 20
  ptime amr 20
  default amr alignment bit
  amr payload 96
  amr octet alignment bit
  amr mode AMR_12.2
!
videocodec
  video fast update Media_XML_Update
  video transcoding auto
  offer video payload 1
  h263 ibit H263_location
  seconds per iframe 10
  offer h263 original fntp None
  offer h263 1998 fntp None
  offer h263 2000 fntp 1
```

```

offer h264 fntp None
no force h264 level 1.2 qcif
!
sip
baseurl file:///opt/snowshore/prompts/
conference max legs 50
conference initial legs 2
no conference clamp dtmf
no conference clamp tone
default application type dialog
session timer 100
listen port 1026
provisional response code 180
max duration 300
allow decline options
require 100 rel
!
sdp
offer audio codec G711
offer 2833
offer payload type 2833 1
offer video codec None
offer direction sendreceive
prefer offer codec
require offer codec
!
logging
syslog
no log locally
host localhost
!
loglevel
mail to fax log level fatal
mserv log level debug
sipd log level debug
recoveryd log level debug
vxmld log level debug
vxml2d log level debug
fido log level debug
mrcpapp log level debug
!
vxml
vxml version 2
launch script 3
fetch timeout 32
recovery timeout 1
recovery max retries 3
!
vxml1.0
last resort script 1
!
vxml2.0

```

```
    mrcp version 1
    no mrcp resource manager
!
mediaengine
    ip packet filtering on
    reject new calls cpu load percentage 101
    accept new calls cpu load percentage 10
```

show startup-configuration

Command

- show startup-configuration

Arguments

Filter by the following sub-configuration modes:

- accounting
- audiocodec
- configure
- fax
- logging
- loglevel
- mediaengine
- sdp
- sip
- videocodec
- vxml
- vxml1.0
- vxml2.0

Mode

- privileged
- configure

Usage/Help

Display the startup-configuration in its entirety or by a particular configuration mode only.

Example:

```
ms# show startup-configuration
!
!
configure
    system autologout 0
!
```

```

accounting
    enabled
    sample interval 30
!
fax
    port 80
    proxy port 80
!
audiocodec
    offer ptime 20
    jitter buffer max size 1
    jitter buffer nothing read depth 3
    ptime ulaw 20
    ptime g726 20
    ptime g729 20
    ptime alaw 20
    ptime amr 20
    default amr alignment bit
    amr payload 96
    amr octet alignment bit
    amr mode AMR_12.2
!
videocodec
    video fast update Media_XML_Update
    video transcoding auto
    offer video payload 1
    h263 ibit H263_location
    seconds per iframe 10
    offer h263 original fntp Y
    offer h263 1998 fntp Y
    offer h263 2000 fntp 1
    offer h264 fntp Y
    force h264 level 1.2 qcif
!
sip
    baseurl file:///opt/snowshore/prompts/
    conference max legs 50
    conference initial legs 2
    no conference clamp dtmf
    no conference clamp tone
    default application type dialog
    session timer 100
    listen port 1026
    provisional response code 180
    max duration 300
    allow decline options
    require 100 rel
!
sdp
    offer audio codec G711
    offer 2833
    offer payload type 2833 1

```

```
offer video codec None
offer direction sendreceive
prefer offer codec
require offer codec
!
logging
  syslog
  log locally
  host localhost
!
loglevel
  mail to fax log level fatal
  mserv log level debug
  sipd log level debug
  recoveryd log level debug
  vxmld log level debug
  vxml2d log level debug
  fido log level debug
  mrcpapp log level debug
!
vxml
  vxml version 2
  launch script 3
  fetch timeout 32
  recovery timeout 1
  recovery max retries 3
!
vxml1.0
  last resort script 1
!
vxml2.0
  mrcp version 1
  mrcp resource manager
!
mediaengine
  ip packet filtering on
  reject new calls cpu load percentage 101
  accept new calls cpu load percentage 101
```

show users

Command

- show users

Arguments

- n/a

Mode

- privileged

- configure

Usage/Help

Display all CLI users currently logged on to the IP Media Server.

Example:

```
ms# show users
      Type           Name  Line  Idle Remote Host
Administrator      msmadmin pts/0      . (63.68.86.117)
ms#
```

shutdown

Command

- shutdown

Arguments

- n/a

Mode

- privileged

Usage/Help

Shutdown the IP Media Server.

Example:

```
ms# shutdown
Really power down MS (yes to confirm)? no
ms#
```

write memory

Command

- write memory

Arguments

- <all | differences>

Mode

- privileged

Usage/Help

Makes the current configuration persisted and activated after a reboot or reset.

If you include the argument “differences,” then the changes made between the startup configuration and the running configuration are persisted. If you include the argument “all” then all changes are persisted. Differences is the default.

Example:

```
ms# write memory
Differential Configuration Mode is ENABLED
Write memory was successful
ms#
```

Configure Mode Commands

accounting

Command

- accounting

Arguments

- n/a

Mode

- configure

Usage/Help

Enters accounting mode.

Example:

```
ms(configure)# accounting
ms(configure.accounting)#
```

Accounting Commands

enabled

Command

- enabled

Arguments

- n/a

Mode

- accounting

Usage/Help

This command enables accounting.

Example:

```
ms(configure.accounting)# enabled
ms(configure.accounting)#
```

no enabled

Command

- no enabled

Arguments

- n/a

Mode

- accounting

Usage/Help

This command disables accounting.

Example:

```
ms(configure.accounting)# no enabled
ms(configure.accounting)#
```

sample interval

Command

- sample interval

Arguments

- {1-1440}

Mode

- accounting

Usage/Help

Sets the accounting persist interval.

Example:

```
ms(configure.accounting)# sample interval 30
ms(configure.accounting)#
```

audiocodec

Command

- audiocodec

Arguments

- n/a

Mode

- configure

Usage/Help

Enters audiocodec mode.

Example:

```
ms (configure)# audiocodec
ms (configure.audiocodec)#
```

Audiocodec Commands

amr mode

Command

- amr mode

Arguments

- AMR_4.75
- AMR_5.15
- AMR_5.9
- AMR_6.7
- AMR_7.4
- AMR_7.95
- AMR_10.2
- AMR_12.2

Mode

- audiocodec

Usage/Help

Set the AMR Mode.

Example:

```
ms(configure.audiocodec)# amr mode AMR_4.75
ms(configure.audiocodec)#
```

amr octet alignment

Command

- amr octet alignment

Arguments

- bit
- byte

Mode

- audiocodec

Usage/Help

Set the AMR octet alignment.

Example:

```
ms(configure.audiocodec)# amr octet alignment bit
ms(configure.audiocodec)#
```

amr payload

Command

- amr payload

Arguments

- <integer>

Mode

- audiocodec

Usage/Help

Set the AMR payload.

Example:

```
ms(configure.audiocodec)# amr payload 10
ms(configure.audiocodec)#
```

default amr alignment

Command

- default amr alignment

Arguments

- bit
- byte

Mode

- audiocodec

Usage/Help

Set the default AMR alignment.

Example:

```
ms(configure.audiocodec)# default amr alignment bit
ms(configure.audiocodec)#
```

jitter buffer max size

Command

- jitter buffer max size

Arguments

- bit
- byte

Mode

- audiocodec

Usage/Help

Sets the jitter buffer max size.

Example:

```
ms (configure.audiocodec) # jitter buffer max size 1
ms (configure.audiocodec) #
```

jitter buffer nothing read depth

Command

- jitter buffer nothing read depth

Arguments

- <integer>

Mode

- audiocodec

Usage/Help

Sets the jitter buffer nothing read depth.

Example:

```
ms (configure.audiocodec) # jitter buffer nothing read depth 1
ms (configure.audiocodec) #
```

offer ptime

Command

- offer ptime

Arguments

- {10 | 20 | 30}

Mode

- audiocodec

Usage/Help

Enable the offer ptime.

Example:

```
ms (configure.audiocodec) # offer ptime 10
```

```
ms (configure.audiocodec) #
```

ptime alaw

Command

- ptime alaw

Arguments

- {10 | 20 | 30}

Mode

- audiocodec

Usage/Help

Set the ptime alaw in seconds.

Example:

```
ms (configure.audiocodecs) # ptime alaw 10  
ms (configure.audiocodecs) #
```

ptime amr

Command

- ptime amr

Arguments

- {20 | 40}

Mode

- audiocodec

Usage/Help

Set the ptime amr in seconds.

Example:

```
ms (configure.audiocodecs) # ptime amr 20  
ms (configure.audiocodecs) #
```


ptime g726

Command

- ptime g726

Arguments

- {10 | 20 | 30}

Mode

- audiocodec

Usage/Help

Set the ptime g726 in seconds.

Example:

```
ms(configure.audiocodecs)# ptime g726 10
ms(configure.audiocodecs)#
```

ptime g729

Command

- ptime g729

Arguments

- {10 | 20 | 40}

Mode

- audiocodec

Usage/Help

Set the ptime g726 in seconds.

Example:

```
ms(configure.audiocodecs)# ptime g729 10
ms(configure.audiocodecs)#
```

ptime ulaw

Command

- ptime ulaw

Arguments

- {10 | 20 | 30}

Mode

- audiocodec

Usage/Help

Set the ptime ulaw in seconds.

Example:

```
ms(configure.audiocodecs)# ptime ulaw 10
ms(configure.audiocodecs)#
```

fax

Command

- fax

Arguments

- n/a

Mode

- configure

Usage/Help

Enters fax mode.

Example:

```
ms(configure)# fax
ms(configure.fax) #
```

Fax Commands

port

Command

- port

Arguments

- <port>

Mode

- fax

Usage/Help

Sets the fax port.

Example:

```
ms (configure.fax) # port 80
ms (configure.fax) #
```

proxy port

Command

- proxy port

Arguments

- <port>

Mode

- configure

Usage/Help

The command sets the fax proxy port.

Example:

```
ms (configure.fax) # proxy port 80
ms (configure.fax) #
```

logging

Command

- logging

Arguments

- n/a

Mode

- configure

Usage/Help

Enters logging mode.

Example:

```
ms (configure) # logging
ms (configure.logging) #
```

Logging Commands

host

Command

- host

Arguments

- <ip address | localhost>

Mode

- logging

Usage/Help

Determines if logging put in syslog (remote)

Example:

```
ms (configure.logging) # host 192.168.1.35
ms (configure.logging) #
```

log locally

Command

- log locally

Arguments

- n/a

Mode

- logging

Usage/Help

Determines if logging put in local syslog.

Example:

```
ms(configure.logging)# log locally
ms(configure.logging)#
```

no host

Command

- no host

Arguments

- <ip address | localhost>

Mode

- logging

Usage/Help

Disables syslog remote.

Example:

```
ms(configure.logging)# no host localhost
ms(configure.logging)#
```

no log locally

Command

- no log locally

Arguments

- n/a

Mode

- logging

Usage/Help

Disables logging locally.

Example:

```
ms(configure.logging)# no log locally
ms(configure.logging)#
```

no syslog

Command

- no syslog

Arguments

- n/a

Mode

- logging

Usage/Help

Disables syslog.

Example:

```
ms(configure.logging)# no syslog
ms(configure.logging)#
```

syslog

Command

- syslog

Arguments

- n/a

Mode

- logging

Usage/Help

Determines if logging put in syslog.

Example:

```
ms(configure.logging)#syslog
ms(configure.logging)#
```

loglevel

Command

- loglevel

Arguments

Mode

- configure

Usage/Help

Enters loglevel mode.

Example:

```
ms (configure) # loglevel
ms (configure.loglevel) #
```

Loglevel Commands

fido

Command

- fido

Arguments

- debug
- none

Mode

- loglevel

Usage/Help

Sets the fido log level.

Example:

```
ms (configure.loglevel) # fido log level debug
ms (configure.loglevel) #
```

mail to fax log level

Command

- mail to fax log level

Arguments

- fatal
- critical
- error
- warning
- info

- debug
- none

Mode

- loglevel

Usage/Help

Sets the mail to fax log level.

Example:

```
ms(configure.loglevel)#mail to fax log level info
ms(configure.loglevel)#
```

mrcpapp log level

Command

- mrcpapp log level

Arguments

- fatal
- critical
- error
- warning
- info
- debug
- none

Mode

- loglevel

Usage/Help

Sets the mrcpapp log level.

Example:

```
ms(configure.loglevel)# mrcpapp log level info
ms(configure.loglevel)#
```

mserv log level

Command

- mserv log level

Arguments

- debug
- none

Mode

- configure

Usage/Help

Sets the mserv log level.

Example:

```
ms(configure.loglevel)# mserv log level none
ms(configure.loglevel)#
```

recoveryd log level

Command

- recoveryd log level

Arguments

- fatal
- critical
- error
- warning
- info
- debug
- none

Mode

- loglevel

Usage/Help

Sets the recovered log level.

Example:

```
ms(configure.loglevel)# recoveryd log level info
ms(configure.loglevel)#
```

sipd log level

Command

- sipd log level

Arguments

- fatal
- critical
- error
- warning
- info
- debug
- none

Mode

- loglevel

Usage/Help

Sets the sipd log level.

Example:

```
ms(configure.loglevel)# sipd log level info
ms(configure.loglevel)#
```

vxml2d log level

Command

- vxml2d log level

Arguments

- fatal
- critical
- error
- warning
- info
- debug
- none

Mode

- loglevel

Usage/Help

Sets the vxml2d log level.

Example:

```
ms(configure.loglevel)# vxmld log level info
ms(configure.loglevel)#
```

vxmld log level

Command

- vxmld log level

Arguments

- fatal
- critical
- error
- warning
- info
- debug
- none

Mode

- log level

Usage/Help

Sets the vxmld log level.

Example:

```
ms(configure.loglevel)# vxmld log level debug
ms(configure.loglevel)#
```

mediaengine

Command

- mediaengine

Arguments

- n/a

Mode

- configure

Usage/Help

Enters media mode.

```
ms(configure)# mediaengine
```

```
ms (configure.mediaengine) #
```

Media Engine Commands

accept new calls cpu load percentage

Command

- accept new calls cpu load percentage

Arguments

- {1 -101}

Mode

- mediaengine

Usage/Help

- Sets the cpu load percentage threshold to begin to accept new calls (101 disables feature).

Example:

```
ms (configure.mediaengine) # accept new calls cpu load percentage 1  
ms (configure.mediaengine) #
```

ip packet filtering

Command

- ip packet filtering

Arguments

- on
- off
- ip_filtering_on_port_filtering_off

Mode

- mediaengine

Usage/Help

Sets the IP packet filtering mode.

Example:

```
ms (configure.mediaengine)# ip packet filtering on
ms (configure.mediaengine)#
```

reject new calls cpu load percentage

Command

- accept new calls cpu load percentage

Arguments

- {1 -101}

Mode

- mediaengine

Usage/Help

- Sets the cpu load percentage threshold to begin to reject new calls (101 disables feature).

Example:

```
ms (configure.mediaengine)# reject new calls cpu load percentage 1
ms (configure.mediaengine)#
```

no user

Command

- no user

Arguments

- <username> - The users name that you want remove.
- <string> {admin | oper} {clear | hash} <string>

Mode

- configure

Usage/Help

Remove a particular user from the authentication pool.

Example:

```
ms(configure)# no user Zander
Really delete user (yes to confirm)?
ms(configure)#
```

sdp

Command

- sdp

Arguments

- n/a

Mode

- configure

Usage/Help

Enter SDP mode.

Example:

```
ms(configure)# sdp
ms(configure.sdp)#
```

SDP Commands

no offer 2833

Command

- no offer 2833

Arguments

- n/a

Mode

- sdp

Usage/Help

Disable the offer 2833.

Example:

```
ms(configure.sdp)# no offer 2833
```

```
ms (configure.sdp) #
```

no prefer offer codec

Command

- no prefer offer codec

Arguments

- n/a

Mode

- sdp

Usage/Help

Disable the prefer offer codec.

Example:

```
ms (configure.sdp) # no prefer offer codec  
ms (configure.sdp) #
```

no require offer codec

Command

- no require offer codec

Arguments

- n/a

Mode

- sdp

Usage/Help

Disable the require offer codec.

Example:

```
ms (configure.sdp) # no require offer codec  
ms (configure.sdp) #
```

offer 2833

Command

- offer 2833

Arguments

- n/a

Mode

- sdp

Usage/Help

Enable the offer 2833.

Example:

```
ms (configure.sdp) # offer 2833
ms (configure.sdp) #
```

offer audio codec command

Command

- offer audio codec command

Arguments

- {ALAW | ULAW | G726 | G729 | AMR}

Mode

- sdp

Usage/Help

Sets the offer audio codec .

Example:

```
ms (configure.sdp) # offer audio codec ALAW
ms (configure.sdp) #
```

offer direction

Command

- offer direction

Arguments

- {sendreceive | sendonly | recvonly}

Mode

- sdp

Usage/Help

Enable offer direction.

Example:

```
ms(configure.sdp)# offer direction sendreceive
ms(configure.sdp)#
```

offer payload type 2833

Command

- offer payload type 2833

Arguments

- <string>

Mode

- sdp

Usage/Help

Enables the payload type to use when 2833 is offered.

Example:

```
ms(configure.sdp)# offer payload type 2833 1
ms(configure.sdp)#
```

offer video codec command

Command

- offer audio codec command

Arguments

- {none | H263 | H263-1998 | H263 – 2000 | H264}

Mode

- sdp

Usage/Help

Sets the offer video codec .

Example:

```
ms (configure.sdp) # offer video codec H263
ms (configure.sdp) #
```

no show port count

Command

- no show port count

Arguments

- n/a

Mode

- sdp

Usage/Help

Disable the port count.

Example:

```
ms (configure.sdp) # no show port count
ms (configure.sdp) #
```

prefer offer codec

Command

- prefer offer codec

Arguments

- n/a

Mode

- sdp

Usage/Help

Enable the prefer offer codec.

Example:

```
ms (configure.sdp) # prefer offer codec
ms (configure.sdp) #
```

require offer codec

Command

- require offer codec

Arguments

- n/a

Mode

- sdp

Usage/Help

Enable the require offer codec.

Example:

```
ms(configure.sdp) # require offer codec
ms(configure.sdp) #
```

show port count

Command

- show port count

Arguments

- n/a

Mode

- sdp

Usage/Help

Enable the port count.

Example:

```
ms(configure.sdp) # show port count
ms(configure.sdp) #
```

sip

Command

- sip

Arguments

- n/a

Mode

- configure

Usage/Help

Enter SIP configuration mode.

Example:

```
ms(configure)# sip
ms(configure.sip)#
```

SIP Commands

allow decline options

Command

- allow decline options

Arguments

- n/a

Mode

- sip

Usage/Help

Set the allow decline options.

Example:

```
ms(configure.sip)# allow decline options
ms(configure.sip)#
```

baseurl

Command

- baseurl

Arguments

- <URL>

Mode

- sip

Usage/Help

Set the base url.

Example:

```
ms (configure.sip) # baseurl 10.128.44.10
ms (configure.sip) #
```

conference clamp dtmf

Command

- conference clamp dtmf

Arguments

- n/a

Mode

- sip

Usage/Help

Sets the conference clamp dtmf.

Example:

```
ms (configure.sip) # conference clamp dtmf
ms (configure.sip) #
```

conference clamp tone

Command

- conference clamp tone

Arguments

- n/a

Mode

- sip

Usage/Help

Sets the conference clamp tone.

Example:

```
ms(configure.sip)# conference clamp tone
ms(configure.sip)#
```

conference initial legs

Command

- conference initial legs

Arguments

- <integer>

Mode

- sip

Usage/Help

Sets the conference initial legs.

Example:

```
ms(configure.sip)# conference initial legs 50
ms(configure.sip)#
```

conference max legs

Command

- conference max legs

Arguments

- <integer>

Mode

- sip

Usage/Help

Sets the conference max legs.

Example:

```
ms(configure.sip)# conference max legs 50
ms(configure.sip)#
```

default application type

Command

- default application type

Arguments

- {dialog | announcement | conference | interactive_voice_response}

Mode

- sip

Usage/Help

If the INVITE message does not specify the application, the default application is assumed. The default application is dialog.

Example:

```
ms(configure.sip)# default application type conference
ms(configure.sip)#
```

listen port

Command

- listen port

Arguments

- {1025-65535}

Mode

- sip

Usage/Help

Sets the listen port.

Example:

```
ms(configure.sip)# listen port 1025
ms(configure.sip)#
```

max duration

Command

- max duration

Arguments

- <integer>

Mode

- sip

Usage/Help

Sets the maximum duration (in seconds) for an announcement to play.

Example:

```
ms(configure.sip)# max duration 300
ms(configure.sip)#
```

no allow decline options

Command

- no allow decline options

Arguments

- n/a

Mode

- sip

Usage/Help

Disable allow decline options.

Example:

```
ms(configure.sip)# no allow decline options
ms(configure.sip)#
```

no conference clamp dtmf

Command

- no conference clamp dtmf

Arguments

- n/a

Mode

- sip

Usage/Help

Disables the conference clamp dtmf.

Example:

```
ms(configure.sip)# no conference clamp dtmf
ms(configure.sip)#
```

no conference clamp tone

Command

- no conference clamp tone

Arguments

- n/a

Mode

- sip

Usage/Help

Disables the conference clamp tone.

Example:

```
ms(configure.sip)# no conference clamp tone
ms(configure.sip)#
```

no require 100 rel

Command

- no require 100 rel

Arguments

- n/a

Mode

- sip

Usage/Help

Disable the allow early without 100 rel.

Example:

```
ms(configure.sip)# no require 100 rel
ms(configure.sip)#
```

provisional response code

Command

- provisional response code

Arguments

- {none | 180 | 183}

Mode

- sip

Usage/Help

Sets the provisional response code.

Example:

```
ms(configure.sip)# provisional response code 180
ms(configure.sip)#
```

require 100 rel

Command

- require 100 rel

Arguments

- n/a

Mode

- sip

Usage/Help

Sets allow early without 100 rel.

Example:

```
ms(configure.sip)# require 100 rel
ms(configure.sip)#
```

session timer

Command

- session timer

Arguments

- {10-6000}

Mode

- sip

Usage/Help

Sets the SIP Session Timer interval in seconds.

Example:

```
ms(configure.sip)# session timer 600
ms(configure.sip)#
```

system autologout

Command

- system autologout

Arguments

- {0} – Signifies no autologout
- <##:##> - Specifies auto logout to occur in minutes and seconds.

Mode

- configure

Usage/Help

Set the default inactivity timer for the entire IP Media Server, unless overridden in the privileged level for a particular user.

Example:

```
ms(configure)# system autologout 0
ms(configure)#
```

user

Command

- user

Arguments

- <string> - The user's name
- {admin, oper} – Administrator or Operator privileges
- {hash, clear} – Clear, signifies the following string is the password in clear text (unencrypted). Hash, signifies the following string is the password in its encrypted form.

Mode

- configure

Usage/Help

Configure a CLI/web user for the IP Media Server. The first string signifies the user's name or login. The admin | oper determines if the user is an administrator or an operator, respectfully. The hash | clear determines if the string that follows is an encrypted form of the password or if it is clear text.

Ensure that a user with the same name is NOT configured for both administrator and operator privileges because if that occurs the last entry done will replace that user's credentials and not make a new user with the same name.

Example:

```
ms(configure)# user Faith admin clear Slayer
User Faith was added
ms(configure)#
```

videocodec

Command

- videocodec

Arguments

- n/a

Mode

- configure

Usage/Help

Enter videocodec configuration mode.

Example:

```
ms(configure)# videocodec
ms(configure.videocodec)#
```

Videocodec Commands

force h264 level 1.2 qcif

Command

- force h264 level 1.2

Arguments

- N/A

Mode

- videocodec

Usage/Help

Sets the force h264 level 1.2 qcif.

Example:

```
ms(configure.videocodec)# force h264 level 1.2 qcif
ms(configure.videocodec)#
```

h263 ibit

Command

- h263 ibit.

Arguments

- inverted_RFC2190_stream
- RFC2190_stream
- inverted_H263_locations
- H263_location

Mode

- videocodec

Usage/Help

Sets the H263 ibit.

Example:

```
ms(configure.videocodec)# h263 inverted_RFC2190_stream
ms(configure.videocodec)#
```

no force h264 level 1.2 qcif

Command

- no force h264 level 1.2 qcif

Arguments

- n/a

Mode

- videocodec

Usage/Help

Sets the force h264 level 1.2 qcif.

Example:

```
ms(configure.videocodec)# no force h264 level 1.2 qcif
ms(configure.videocodec)#
```

offer h263 1998 fntp

Command

- offer h263 1998 fntp

Arguments

- <string>

Mode

- videocodec

Usage/Help

Sets the offer h263 1998 fntp.

Example:

```
ms(configure.videocodec)# offer h263 1998 fntp 1
ms(configure.videocodec)#
```

offer h263 2000 fntp

Command

- offer h263 2000 fntp

Arguments

- <string>

Mode

- videocodec

Usage/Help

Sets the offer h263 2000 fntp.

Example:

```
ms(configure.videocodec)# offer h263 2000 fntp 1
ms(configure.videocodec)#
```

offer h263 original fntp

Command

- offer h263 original fntp

Arguments

- <string>

Mode

- videocodec

Usage/Help

Sets the offer h263 original fntp.

Example:

```
ms(configure.videocodec)# offer h263 original fntp 1
ms(configure.videocodec)#
```

offer h264 fntp

Command

- offer h264 fntp

Arguments

- <string>

Mode

- videocodec

Usage/Help

Set the offer h264 fmp.

Example:

```
ms(configure.videocodec)# offer h264 fmp 1
ms(configure.videocodec)#
```

offer video payload

Command

- offer video payload

Arguments

- <string>

Mode

- videocodec

Usage/Help

Sets the offer video payload.

Example:

```
ms(configure.videocodec)# offer video payload 1
ms(configure.videocodec)#
```

seconds per iframe

Command

- seconds per iframe

Arguments

- <integer>

Mode

- videocodec

Usage/Help

Set the seconds per iframe.

Example:

```
ms(configure.videocodec)# seconds per iframe 10
ms(configure.videocodec)#
```


video fast update

Command

- video fast update

Arguments

- No_Fast_Update
- Media_XML_Update

Mode

- videocodec

Usage/Help

Set the video fast update behavior.

Example:

```
ms(configure.videocodec)# video fast update No_Fast_Update
ms(configure.videocodec)#
```

video transcoding

Command

- video transcoding

Arguments

- auto
- force
- off

Mode

- videocodec

Usage/Help

Set the video fast update behavior.

Example:

```
ms(configure.videocodec)# video transcoding auto
ms(configure.videocodec)#
```

vxml

Command

- vxml

Arguments

- n/a

Mode

- configure

Usage/Help

Enter vxml configuration mode.

Example:

```
ms (configure) # vxml
ms (configure.vxml) #
```

VXML Commands

fetch timeout

Command

- fetch timeout

Arguments

- {0-65}

Mode

- vxml

Usage/Help

Sets the time (in seconds) that the IP Media Server will wait when trying to fetch a VoiceXML script from the network. To have no timeout, enter 0.

Example:

```
ms (configure.vxml) # fetch timeout 10
ms (configure.vxml) #
```

launch script

Command

- launch script

Arguments

- <string>

Mode

- vxml

Usage/Help

A launch script is the VoiceXML script that is initially fetched if a dialog request is received and it does not contain a voicexml= parameter. This command allows a call to be accepted and for a VoiceXML script to be launched as a result of the initial SIP INVITE message.

Example:

```
ms(configure.vxml)# launch script http://server1.comp.com/launch.php
```

recovery max retries

Command

- recovery max retries

Arguments

- {0-10000}

Mode

- vxml

Usage/Help

Sets the number of times to retry the recovery of media content files.

Example:

```
ms(configure.vxml)# recovery max retries 100
ms(configure.vxml)#
```

recovery timeout

Command

- recovery timeout

Arguments

- {0-10000}

Mode

- vxml

Usage/Help

Sets the time (in seconds) after which an attempt to recover media content file will fail. This setting and the Recovery Max Retries setting apply to VXML applications that use the Media Content Recovery extensions in VXML 1.0.

Example:

```
ms(configure.vxml)# recovery timeout 3000
ms(configure.vxml)#
```

vxml version

Command

- vxml version

Arguments

- {1 | 2}

Mode

- vxml

Usage/Help

Sets the vxml version.

Example:

```
ms(configure.vxml)# vxml version 2
ms(configure.vxml)#
```

vxml1.0

Command

- vxml1.0

Arguments

- n/a

Mode

- configure

Usage/Help

Enter vxml1.0 configuration mode.

Example:

```
ms (configure.vxml1.0) # vxml1.0
ms (configure.vxml1.0) #
```

VXML 1.0 Commands

last resort script

Command

- last resort script

Arguments

- <string>

Mode

- vxml1.0

Usage/Help

Enter the vxml script that is fetched and executed if the VoiceXML browser cannot retrieve the initial VoiceXML script due to a network, server, or other system issue.

Example:

```
ms (configure.vxml1.0) # last resort script
http://server1.comp.com/launch.php

ms (configure.vxml1.0) #
```

vxml2.0

Command

- vxml2.0

Arguments

- n/a

Mode

- configure

Usage/Help

Enter vxml2.0 configuration mode.

Example:

```
ms (configure.vxml2.0) # vxml2.0
ms (configure.vxml2.0) #
```

VXML 2.0 Commands

mrcp resource manager

Command:

- mrcp resource manager

Arguments

- n/a

Mode

- vxml2.0

Usage/Help

Enables the Resource Manager to load balance MRCP sessions across multiple MRCP servers.

```
ms (configure.vxml2.0) # mrcp resource manager
ms (configure.vxml2.0) #
```

mrcp server

Command

- mrcp server

Arguments

for MRCP server

- <ip address> or {localhost}

port number

- {ASR | TTS | BOTH}

Mode

- vxml2.0

Usage/Help

Sets the mrcp server including the TCP port used to send SIP signaling to establish MRCP session. The port is based on what is configured on the MRCP server and is outside IP Media Server Control.

```
ms(configure.vxml2.0)# mrcp server 1.2.3.4 80 ASR
ms(configure.vxml2.0)#
```

mrcp version

Command

- mrcp version

Arguments

- {1 | 2}

Mode

- vxml2.0

Usage/Help

Sets the mrcp version.

```
ms(configure.vxml2.0)# mrcp version 1
ms(configure.vxml2.0)#
```

no mrcp resource manager

Command

- no mrcp resource manager

Arguments

- n/a

Mode

- vxml2.0

Usage/Help

Disables the Resource Manager from load balancing MRCP sessions across multiple MRCP servers.

```
ms(configure.vxml2.0)# no mrcp resource manager
ms(configure.vxml2.0)#
```

no mrcp server

Command

- no mrcp server

Arguments

for MRCP server

- <ip address>
- {localhost}

for port

- {ASR | TTS | BOTH}

Mode

- vxml2.0

Usage/Help

Disables the mrcp server.

```
ms (configure.vxml2.0)# no mrcp server
ms (configure.vxml2.0)#
```