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Last Updated: November 17, 2010

[trace](#)

trace

To view trace messages, use the **trace** command in Cisco UMG EXEC mode.

trace {module {entity {activity}}}

Syntax Description

<i>module</i>	Trace module values. Can be any combination of the values listed in Table 28 . Entering all gives information for all the modules.
<i>entity</i>	Entity values. Each module has one or more entity values associated with it. Can be any combination of the values for that particular module. See Table 28 . Entering all gives information for all the entities.
<i>activity</i>	Activity values. Each entity has one or more activity values associated with it. Can be any combination of the values for that particular entity. See Table 28 . Entering all gives information for all the activities.

[Table 28](#) lists all the modules, entities, and activities.

Table 28 *Module, Entity, and Activity Values*

Module Name	Entity Name	Activity Name	Description
aaa	authorization	jaas	Used for authentication, authorization, and accounting (AAA) debugging
		pam	
	authentication	jaas	
		pam	
	acct	service	
		queue	
		library	
dns	cache	daemon	Domain Name Service (DNS) debugging
		localzone	
		startup	
		ethconfig	
	enablecheck	dns_check	
		debug	
		ipv4_check	
		hostname_check	
		results	
		dns_query	
	resolver	send	
		receive	
	server	ask	
		answer	

Table 28 **Module, Entity, and Activity Values (continued)**

Module Name	Entity Name	Activity Name	Description
management	agent	debug	Management debugging
um2	store	attributes	User manager 2 (users and groups) debugging
		privilege	
		group	
		users	
	manager	search	
		attributes	
		groups	
		users	
		privileges	
		event	
		security	
		factory	
webInterface	group	save	Cisco UMG GUI debugging
		delete	
		read	
	user	save	
		delete	
		read	
	aaa	read	
	privileges	action	
	axl	delete	
		post	
		read	
	backupRestore	serverConfiguration	
		restore	
		backup	
	controller	startup	
		request	
	session	login	
		logout	

Table 28 **Module, Entity, and Activity Values (continued)**

Module Name	Entity Name	Activity Name	Description
webInterface (continued)	sysdb	get	Cisco UMG GUI debugging (continued)
		set	
		providerStart	
		providerGet	
		providerStop	
		providerSet	
	database	query	
		connection	
		results	
sysdb	producer	nodeDetach	Interprocess communication debugging
		nodeAttach	
		timeLimit	
		nodeHandle	
		mkdir	
		attrCreate	
		attrDelete	
		rmdir	
	lock	acquire	
		release	
		wait	
	traversal	directory	
		attribute	
		node	
	misc	allocation	
	provider	stop	
		other	
		events	
		deadline	
		get	
		startup	
		commit	
		check	
	utility	metaInfo	
		dealloc	
		chdir	
		nameLookup	

Table 28 **Module, Entity, and Activity Values (continued)**

Module Name	Entity Name	Activity Name	Description
sysdb (continued)	consumer	set	Interprocess communication debugging (continued)
		get	
		nameLookup	
limitsManager	vmcapacity	xdebug	System limits debugging
		debug	
		info	
		warning	
		crash	
		error	
	platform	xdebug	
		debug	
		info	
		warning	
		crash	
		error	
	cli	xdebug	
		debug	
		info	
		warning	
		crash	
		error	
	api	xdebug	
		debug	
		info	
		warning	
		crash	
		error	
	sysdb	xdebug	
		debug	
		info	
		warning	
		crash	
		error	

Table 28 **Module, Entity, and Activity Values (continued)**

Module Name	Entity Name	Activity Name	Description
limitsManager (continued)	port	xdebug	System limits debugging (continued)
		debug	
		info	
		warning	
		crash	
		error	
	language	xdebug	
		debug	
		info	
		warning	
		crash	
		error	
	vmport	xdebug	
		debug	
		info	
		warning	
		crash	
		error	
	license	xdebug	
		debug	
		info	
		warning	
		crash	
		error	
	utilities	xdebug	
		debug	
		info	
		warning	
		crash	
		error	
	ivr	xdebug	
		debug	
		info	
		warning	
		crash	
		error	

Table 28 **Module, Entity, and Activity Values (continued)**

Module Name	Entity Name	Activity Name	Description
limitsManager (continued)	vmmbox	xdebug	System limits debugging (continued)
		debug	
		info	
		warning	
		crash	
		error	
	histrep	xdebug	
		debug	
		info	
		warning	
		crash	
		error	
	feature	xdebug	
		debug	
		info	
		warning	
		crash	
		error	
	mainthread	xdebug	
		debug	
		info	
		warning	
		crash	
		error	
operation	manager	ucid	Command authorization debugging
		operation	
license	debug	core_errors	CSL debugging
		events	
		core_events	
		ipc	
		errors	
		agent_info	
		agent_error	
		agent_all	
		core_all	
	monitor	monitor-license	

Table 28 **Module, Entity, and Activity Values (continued)**

Module Name	Entity Name	Activity Name	Description
BackupRestore	BackupRestore	CONF	Backup and restore debugging
		SERVER	
		INIT	
		OPERATION	
		HISTORY	
dbclient	debug	level0	Database client debugging
		level1	
		level2	
		level3	
		level4	
		level5	
	sysdb	set	
		get	
		commit	
	database	transaction	
		query	
		garbageCollect	
		connection	
		largeobject	
		mgmt	
		execute	
		results	
superthread	main	startup	Core Java services debugging
	parser	parse	
snmp	JNI	Net-SNMP	SNMP debugging
	agent	debug	
rest	base_resources	info	Common REST interface debugging
		warn	
		error	
	common	info	
		warn	
		error	
security	policy	password	PIN and password authentication policy debugging
		pin	

Table 28 **Module, Entity, and Activity Values (continued)**

Module Name	Entity Name	Activity Name	Description
umg	direx	receiver	Cisco UMG VPIM directory exchange debugging
		sender	
		message	
		mgmt	
		scheduler	
		processor	
	translation	CACHE	Cisco UMG VPIM translation rule debugging
		RULE	
	db	query	Cisco UMG VPIM database debugging
		connection	
	routing	gateway	Cisco UMG VPIM network message routing debugging
		spool	
		route	
		sender	
		monitor	
	system	cli	Cisco UMG VPIM CLI debugging
	sdl	servlet	Cisco UMG VPIM system distribution list debugging
		cli	
		messaging	
	smtp	debug	Cisco UMG VPIM SMTP service debugging
		wire	
		error	
	global	0_crash	Cisco UMG VPIM global settings debugging
		1_error	
		2_warn	
		3_debug	
		4_info	
	lookup	request	Cisco UMG VPIM lookup debugging
	registration	0_crash	Cisco UMG VPIM remote voicemail system registration debugging
		1_error	
		2_warn	
		3_debug	
		4_info	

Table 28 **Module, Entity, and Activity Values (continued)**

Module Name	Entity Name	Activity Name	Description
ntp	ntp	loopstatus	Network time protocol debugging
		clkselect	
		clkadj	
		clockstatus	
		packets	
		clkvalidity	
		peerstats	
		event	
		loopfilter	
udppacer	udppacer	debug	Voice UDP debugging
		ccncall	
		statistics	
		block_starve	
srsx	gui	actions	Cisco UMG SRSx GUI debugging
		error	
	registration	debug	Cisco UMG SRSx device registration debugging
		error	
	cli	debug	Cisco UMG SRSx CLI debugging
		error	
	controller	info	Cisco UMG SRSx controller debugging
		trace	
		debug	
		warning	
		error	
	upload	debug	Cisco UMG SRSV voicemail upload debugging
		error	
		rest	
	mgmt	debug	Cisco UMG SRSx management interface debugging
		error	
	srsv-engine	info	Cisco UMG SRSV provisioning engine debugging
		trace	
		debug	
		warning	
		error	

Table 28 **Module, Entity, and Activity Values (continued)**

Module Name	Entity Name	Activity Name	Description
srsx (continued)	service-point	info	Cisco UMG SRSx service point debugging
		trace	
		debug	
		warning	
		error	
	vm-server-client	info	Cisco UMG SRSx central voicemail server communication debugging
		trace	
		debug	
		warning	
		error	
	call-agent-client	info	Cisco UMG SRSx central call agent server communication debugging
		trace	
		debug	
		warning	
		error	
	srsv-secret-syncer	info	Cisco UMG SRSx shared secret synchronization debugging
		trace	
		debug	
		warning	
		error	
	site-manager	info	Cisco UMG SRSx site manager debugging
		trace	
		debug	
		warning	
		error	
	srst-engine	info	Cisco UMG E-SRST provisioning engine debugging
		trace	
		debug	
		warning	
		error	
		all	

Command Modes Cisco UMG EXEC

Command History

Cisco UMG Version	Modification
8.0	This command was introduced.
8.5	The srst-engine keyword was added.

Examples

The following example illustrates the use of the **trace srsx srsv-engine** command:

```
se-192-1-1-149# trace srsx srsv-engine all
```

Related Commands

Command	Description
log console monitor	Enables log monitor events for debugging.