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### 3. Examples

*todo*

--- Definitions ---

**Boolean:**

Presents as strings objects: 'true' and 'false'

**DateTime:**

By default uses format: 'YYYY-mm-ddTHH:MM:SS.000Z'

For file objects: 'dd-mm-YYYY HH:MM:SS'

**Objects:**

Alieas	Fully qualified name
SearchFilter	Wstk::Models::SearchFilter
ServerStatus	SwitchAdmin::Models::ServerStatus
DocTemplate	SwitchAdmin::Models::DocTemplate
DocTemplateBody	SwitchAdmin::Models::DocTemplateBody
SipDevice	SwitchAdmin::Models::SipDevice
DriverInfo	SwitchAdmin::Models::DriverInfo
SipDeviceLine	SwitchAdmin::Models::SipDeviceLine
SipDomain	SwitchAdmin::Models::SipDomain
SipUser	SwitchAdmin::Models::SipUser
SipUserGroup	SwitchAdmin::Models::SipUserGroup
SipProfile	SwitchAdmin::Models::SipProfile
SipGateway	SwitchAdmin::Models::SipGateway
SipContext	SwitchAdmin::Models::SipContext
SipContextBody	SwitchAdmin::Models::SipContextBody
SwitchConfig	SwitchAdmin::Models::SwitchConfig
SwitchModule	SwitchAdmin::Models::SwitchModule
SipCidProfile	SwitchAdmin::Models::SipCidProfile
SwitchCodecInfo	SwitchAdmin::Models::SwitchCodecInfo
SwitchUserRegInfo	SwitchAdmin::Models::SwitchUserRegInfo
SwitchCallInfo	SwitchAdmin::Models::SwitchCallInfo

--- Services ---

SwitchManagementService

Method	Arguments	Return	Description
switchModuleLoad		true	load Freeswitch module
switchModuleUnload		true	unload Freeswitch module
switchModuleReload		true	reload Freeswitch module
switchStart		true	start Freeswitch daemon
switchStop		true	stop Freeswitch daemon
switchReload		true	relaod Freeswitch daemon
switchGetStatus		ServerStatus	get Freeswitch daemon status
logRead	[SearchFilter]	Array of strings	log reader

SystemInformationService

Method	Arguments	Return	Description
getStatus		ServerStatus	information about the system

DriversManagementService

Method	Arguments	Return	Description
showDrivers		array of DriverInfo	show available drivers (acs)
getPropertiesDict	[driverName]	array of Object	set of driver properties (if ones defined)

**SipDevicesManagementService**

Method	Arguments	Return	Description
<b>add</b>	[SipDevice]	SipDevice	add a new object (SipDevice)
<b>update</b>	[SipDevice]	SipDevice	update object properties
<b>delete</b>	[deviceId]	true	delete object (and related sub-objects)
<b>get</b>	[deviceId]	SipDevice or null	get object by id
<b>list</b>	[SearchFilter]	array of SipDevice	get collection of objects (with filtering)
<b>reprovision</b>	[macAddress]	true	reprovision the device
<b>reboot</b>	[macAddress]	true	reboot the device

**SipDeviceLinesManagementService**

Method	Arguments	Return	Description
<b>add</b>	[SipDeviceLine]	SipDeviceLine	add a new object (SipDeviceLine)
<b>update</b>	[SipDeviceLine]	SipDeviceLine	update object properties
<b>delete</b>	[lineId]	true	delete object (and related sub-objects)
<b>get</b>	[lineId]	SipDeviceLine or null	get object by id
<b>list</b>	[deviceId, SearchFilter]	array of SipDeviceLine	get collection of objects (with filtering)

**SipDomainsManagementService**

Method	Arguments	Return	Description
<b>add</b>	[SipDomain]	SipDomain	add a new object (SipDomain)
<b>update</b>	[SipDomain]	SipDomain	update object properties
<b>delete</b>	[domainId]	true	delete object (and related sub-objects)
<b>get</b>	[domainId]	SipDomain or null	get object by id
<b>list</b>	[SearchFilter]	array of SipDomain	get collection of objects (with filtering)

**SipUsersManagementService**

Method	Arguments	Return	Description
<b>add</b>	[SipUser]	SipUser	add a new object (SipUser)
<b>update</b>	[SipUser]	SipUser	update object properties
<b>delete</b>	[userId]	true	delete object (and related sub-objects)
<b>get</b>	[userId]	SipUser or null	get object by id
<b>list</b>	[domainId, groupId, SearchFilter]	array of SipUser	get collection of objects (with filtering)

**SipUserGroupsManagementService**

Method	Arguments	Return	Description
<b>add</b>	[SipUserGroup]	SipUserGroup	add a new object (SipUserGroup)
<b>update</b>	[SipUserGroup]	SipUserGroup	update object properties
<b>delete</b>	[groupId]	true	delete object (and related sub-objects)
<b>get</b>	[groupId]	SipUserGroup or null	get object by id
<b>list</b>	[domainId, SearchFilter]	array of SipUserGroup	get collection of the objects (with filtering)

**SipUserHomeDirManagementService**

Method	Arguments	Return	Description
<b>mkdir</b>	[userId, FileItem]	FileItem	create a new directory
<b>mkfile</b>	[userId, FileItem]	FileItem	create an empty file
<b>rename</b>	[userId, newName, old_FileItem]	FileItem	rename dir or file: old -> newName
<b>move</b>	[userId, from_FileItem, to_FileItem]	FileItem	move dir or file: from -> to
<b>copy</b>	[userId, from_FileItem, to_FileItem]	FileItem	copy dir or file: from -> to
<b>delete</b>	[userId, path]	true	delete file or dir
<b>getMeta</b>	[userId, path]	FileItem	get meta data for file or dir
<b>browse</b>	[userId, path]	array of FileItem	browse homedir
<b>readBody</b>	[userId, path]	file content	read content from the file
<b>writeBody</b>	[userId, path, data]	true	write content into a file

**SipProfilesManagementService**

Method	Arguments	Return	Description
<b>add</b>	[SipProfile]	SipProfile	add a new object (SipProfile)
<b>update</b>	[SipProfile]	SipProfile	update object properties
<b>delete</b>	[profileId]	true	delete object (and related sub-objects)
<b>get</b>	[profileId]	SipProfile or null	get object by id
<b>list</b>	[SearchFilter]	array of SipProfile	get collection of the objects (with filtering)

**SipGatewaysManagementService**

Method	Arguments	Return	Description
<b>add</b>	[SipGateway]	SipGateway	add a new object (SipGateway)
<b>update</b>	[SipGateway]	SipGateway	update object properties
<b>delete</b>	[gatewayId]	true	delete object (and related sub-objects)
<b>get</b>	[gatewayId]	SipGateway or null	get object by id
<b>list</b>	[profileId, SearchFilter]	array of SipGateway	get collection of the objects (with filtering)

**SipContextsManagementService**

Method	Arguments	Return	Description
<b>add</b>	[SipContext]	SipContext	add a new object (SipContext)
<b>update</b>	[SipContext]	SipContext	update object properties
<b>delete</b>	[contextId]	true	delete object (and related sub-objects)
<b>get</b>	[contextId]	SipContext or null	get object by id
<b>list</b>	[SearchFilter]	array of SipContext	get collection of the objects (with filtering)
<b>lookup</b>	[contextName]	SipContext or null	lookup object by name
<b>readBody</b>	[contextId]	xml	read context body
<b>writeBody</b>	[contextId, body]	true	update context body

**SipCidProfilesManagementService**

Method	Arguments	Return	Description
<b>add</b>	[SipCidProfile]	SipCidProfile	add a new object (SipCidProfile)
<b>update</b>	[SipCidProfile]	SipGSipCidProfileateway	update object properties
<b>delete</b>	[profileId]	true	delete object (and related sub-objects)
<b>get</b>	[profileId]	SipCidProfile or null	get object by id
<b>list</b>	[SearchFilter]	array of SipCidProfile	get collection of the objects (with filtering)

**SwitchConfigsManagementService**

Method	Arguments	Return	Description
<b>add</b>	[SwitchConfig]	SwitchConfig	add a new object (SwitchConfig)
<b>update</b>	[SwitchConfig]	SwitchConfig	update object properties
<b>delete</b>	[configId]	true	delete object (and related sub-objects)
<b>get</b>	[configId]	SwitchConfig or null	get object by id
<b>list</b>	[SearchFilter]	array of SwitchConfig	get collection of the objects (with filtering)
<b>lookup</b>	[configName]	SwitchConfig or null	lookup object by name
<b>readBody</b>	[configId]	xml	read config body
<b>writeBody</b>	[configId, body]	true	update config body

**SwitchModulesManagementService**

Method	Arguments	Return	Description
<b>add</b>	[SwitchModule]	SwitchModule	add a new object (SwitchModule)
<b>update</b>	[SwitchModule]	SwitchModule	update object properties
<b>delete</b>	[configId]	true	delete object (and related sub-objects)
<b>get</b>	[configId]	SwitchModule or null	get object by id
<b>list</b>	[SearchFilter]	array of SwitchModule	get collection of the objects (with filtering)
<b>syncConfig</b>		true	synchronize db with modules.conf.xml

**SwitchScriptsManagementService**

Method	Arguments	Return	Description
<b>mkdir</b>	[FileItem]	FileItem	create a new directory
<b>mkfile</b>	[FileItem]	FileItem	create an empty file
<b>rename</b>	[newName, old_FileItem]	FileItem	rename dir or file: old -> newName
<b>move</b>	[from_FileItem, to_FileItem]	FileItem	move dir or file: from -> to
<b>copy</b>	[from_FileItem, to_FileItem]	FileItem	copy dir or file: from -> to
<b>delete</b>	[path]	true	delete file or dir
<b>getMeta</b>	[path]	FileItem	get meta data for file or dir
<b>browse</b>	[path]	array of FileItem	browse scrips
<b>readBody</b>	[path]	file content	read content from the file
<b>writeBody</b>	[path, data]	true	write content into a file



**SwitchSoundsManagementService**

Method	Arguments	Return	Description
<b>mkdir</b>	[FileItem]	FileItem	create a new directory
<b>rename</b>	[newName, old_FileIter]	FileItem	rename dir or file: old -> newName
<b>move</b>	[from_FileItem, to_FileItem]	FileItem	move dir or file: from -> to
<b>copy</b>	[from_FileItem, to_FileItem]	FileItem	copy dir or file: from -> to
<b>delete</b>	[path]	true	delete file or dir
<b>getMeta</b>	[path]	FileItem	get meta data for file or dir
<b>browse</b>	[path]	array of FileItem	browse sounds

**SwitchRecordingsManagementService**

Method	Arguments	Return	Description
<b>mkdir</b>	[FileItem]	FileItem	create a new directory
<b>rename</b>	[newName, old_FileIter]	FileItem	rename dir or file: old -> newName
<b>move</b>	[from_FileItem, to_FileItem]	FileItem	move dir or file: from -> to
<b>copy</b>	[from_FileItem, to_FileItem]	FileItem	copy dir or file: from -> to
<b>delete</b>	[path]	true	delete file or dir
<b>getMeta</b>	[path]	FileItem	get meta data for file or dir
<b>browse</b>	[path]	array of FileItem	browse recordings

**SwitchMiscellaneousService**

Method	Arguments	Return	Description
<b>ahowCodecs</b>		array of SwitchCodecInfo	show installed codecs
<b>showRegistrations</b>	[SearchFilter]	array of SwitchUserRegInfo	show sip registrations
<b>showCalls</b>	[SearchFilter]	array of SwitchCallInfo	show active calls
<b>killSession</b>	[uuid]	true	hangup the session
<b>recordSession</b>	[uuid]	FileItem	start recording the session

**SwitchEventSocketService**

Method	Arguments	Return	Description
<b>execApi</b>	[command]	text	exec a command
<b>execBgapi</b>	[command]	text	exec a coommang in background

TemplatesManagementService

Method	Arguments	Return	Description
add	[DocTemplate]	DocTemplate	add a new object (DocTemplate)
update	[DocTemplate]	DocTemplate	update object properties
delete	[templateId]	true	delete object (and related sub-objects)
get	[templateId]	DocTemplate or null	get object by id
list	[SearchFilter]	array of DocTemplate	get collection of the objects (with filtering)
lookup	[contextName]	SipContext or null	lookup object by name
readBody	[templateId]	text	read template body
writeBody	[templateId, body]	true	update template body
getVarDictionary	[name]	array of Objects	get a variables dictionary