

GENESYS

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SIP Feature Server Deployment Guide

Configuration options

Configuration options

Set these configuration options in Genesys Administrator, in the Options tab of the SIP Feature Server Application object (or the GAX Application object, as noted).

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Cassandra section

Option	Values (default value in bold)	
connection-pool-limit	15, or any positive number	Limits the numb limiting feature in This value must be request-rate-gax. maximum 15 connect Note: Only SIP Feat
connection-type	thrift (or empty) for THRIFT or cql for CQL, values are not case-sensitive.	When set to CQL Cassandra using embedded Cass Feature Server. (com.genesysla launcher/_64.x embedded Cass Takes effect after res
logFile	cassandra.log	The log file nam
logLevel	error, none, debug, info, warning, critical	The log level; ap
maxFileSize	20000000	The threshold, in to dial plan logs.
maxFileCount	2	The number of lo
replicationStrategyClassName	SimpleStrategy , NetworkTopologyStrategy	 SimpleStrat the number of data. This is recommended NetworkTopo the values en topology.pr Cassandra no in single and
replicationOptions	replication_factor=2, replication_factor=3, replication_factor=4, (or) data center 1 name=number of replication nodes, data center 2 name=number of replication nodes,	 Specifies the nurdepending on the When replication any of the firm nodes used in the replication of the specify the used in the replication of the
readConsistencyLevel and writeConsistencyLevel	CL_ONE	Do not change t

Option	Values (default value in bold)	
		number of nodes
		Defines the keys regional keyspace
regionalKeyspace	None	regionalKeyspace=u regionalKeyspace=e
		Defines the num configure the nu
regionalReplicationOptions	None	regionalReplicationO eu_east=2, eu_west
		Defines the max retry a failed Cas
retry-max-attempts	None, <positive integer="" value=""></positive>	Note: For Cassandra interval in the retry
		Defines the inter
retry-sleep-ms	None, <positive integer="" value=""></positive>	To be configured in r
		Note: This option m Cassandra to retry a
nodes	None , Comma-separated Cassandra node IP address or FQDN that are local to its data center	Mandatory if Fea Cassandra cluste Server application
keyspace	sipfs, <keyspace (alpha="" name="" numeric="" value)=""></keyspace>	Defines the keys By default, sipfs to any desired a external Cassan
username	None, <cassandra username=""></cassandra>	Configure this or external Cassan
password	None, <cassandra password=""></cassandra>	Configure this or external Cassan
		Specifies that th the configured n center.
nodeFailureTolerance	None, [replication_factor of its data center - 1].	This option must be replication factor les example, if a data configure this option Cassandra cluster.
trusted-ca	Default is empty (no certificate validation), Absolute or relative path (from Feature Server installation folder) to the PEM file that has trusted authority certificate to validate remote Cassandra server when establishing the TLS connection.	Specifies whether connections are and its Dialplan wouldn't occur eset incorrectly, Figure want to use the cassandra_encrypton

Option	Values (default value in bold)	
		(com.genesyslab.velauncher/_64.xml)
verify-host	false, true	Specifies whether FQDN of host be is enabled for Cavalues provided If the FQDNs doesn't is not set or cassand does not give any re

Cluster section

Option	Values (default value in bold)	
master	false, true	When set to tru Feature Server a synchronization (such as people, Configuration Se data occurs rega import of Tenant Feature Server o Important: Des master.
confsync	false, true	When set to tru Server, this option the synchronizat with Configuration server is not ope time synchronizat regardless of this effect immediate
disable-initial-import	Valid values: false , true	Set to false to edata upon startu To prevent another in initial import trigger Configuring to false data and switch data rare scenarios, Cassinconsistent. This may available in the Cass Server would re-imp duplication. To preve to true after first stat trigger in the subsections.
reimport-on-conf-history-log-error	false, true	If set to true, in tapplication, ther automatically tri
reimport-on-conf-history-log-error-max-attempts	5 , Positive integer value	This limits the nu

Option	Values (default value in bold)	
		occur due to per history log inform Server.
		This option is availablater versions.

dialplan section

Except for active, which indicates whether you are using the Feature Server dial plan or the SIP Server dial plan, these options apply only if you are using the Feature Server dial plan.

Option	Values (default value in bold)	
active	true, false	Determines whe displays the Fear option to false d plan and hides d Feature Server A applications. Val
cassandraPoolSize	15 and above, or any positive number	Specifies the SIP Cassandra pool s operations. You I for the changes
default-dn	None, any valid DN	Specifies the DN Feature Server is Applicable only follows.
dialplanEnhancement	false, true	When set to tru performance mo heartbeat, healt improvements o Important This option is supp 8.1.202.33 and late Feature Server erro Server 8.1.103.79
heartbeatFailInterval	60	The timeout, in s queries from Fea the previous req
heartbeatOkInterval	300	The timeout, in squeries from Feather previous req
logFile	<pre>none, <dial directory="" plan="" script="" working="">, <another directory=""></another></dial></pre>	The log file locat applies only to d
logHandler	Rotating File Handler, Dial Plan Rotating File Handler	When set to Dial file is generated logfile_name.YY

Option	Values (default value in bold)	
		When set to Rotating the format logfile_na
logLevel	none, debug, info, warning, error, critical	The log level; ap
log-python-stdout-capture	false, true	When Cassandra set to CQL, then captures the erro sub-process of F main Feature Se process termina
maxFileSize	1000000	The threshold, ir is created; applie
maxFileCount	2	The number of b applies only to d
port	8800, <other http="" port="" valid=""></other>	The port specific the Feature Serv
profileRefreshInterval	300	SIP Feature Serv and partitions in the timer configi (Valid values car
promenenesimicerval		Important This option is supp 8.1.202.33 and late

dm section

Option	Values (default value in bold)	
Active	false, true	When set to true manage devices
fs_url	IP address:port/fs, FQDN:port/fs, none	Specifies the add processes Firmw management. In resolves to the II Server instances example, http:/ fs. When this op attempts to dete and port will be Restart required
audiocodes/genesys/polycom/yealink	None , comma separated value of the device model names to be supported	Device Manager phone models th but only if the co supported.
UA_Pattern_[audiocodes/genesys/polycom/ yealink]	None , parameters with value specific to the phone model	Custom UA head phones with a di default supporte

dm-gax-plugin section

Set the dm-gax-plugin configuration options in the Options tab of the GAX Application object.

Option	Values (default value in bold)	
fs_urls	IP address:port/fs, FQDN:port/fs, none	Specifies the add that control devi comma-separate Servers. For an I FQDNs of N serv separated by a chttp://10.10.1 http://10.10.1

fs-gax-plugin section

Set the fs-gax-plugin configuration options in the Options tab of the GAX Application object.

Option	Values (default value in bold)	
fs_urls	IP address:port/fs, FQDN:port/fs, none	Specifies the add that control voic comma-separate Servers. For an N FQDNs of N serv separated by a chttp://10.10.1 http://10.10.1 Restart required.

gdpr section

Set this option in the gdpr section on the Options tab of the Master Feature Server application.

Option	Values (default value in bold)	
gdpr-directory	An absolute path to the directory with read and write access	The forget-me to from this directo forget-me task v

Log section

Feature Server uses standard Genesys logging, with the following exceptions to the default values. For details of all logging options, see Common Configuration Options log section.

Option	Values (default value in bold)	
internal	Error, Info, Debug	The PSDK loggin same log file.
verbose	trace, all, debug, interaction, standard, none	The verbose log

Monitoring section

Option	Values (default value in bold)	
active	true , false	Determines whe environment sta to true, the option environment momentoring interdisk space, set tusing environment
corrupted-messages-threshold	None, <positive integer="" value=""></positive>	Specifies the thr corrupted messa
logFile	monitoring.log, string.log	The log file nam application directlogs.
logLevel	info, debug, warning, error, critical	The log level; ap
maxFileSize	1000000	The threshold, ir is created; applie
maxFileCount	2	The number of lo
monitoring-request-interval	60000 (one minute), 10000 (ten seconds) and above	The frequency w requests monito
prometheus-monitoring	false, true	When set to tru Server to captur monitored using change requires
		The number of refeature Server of and dm-gax-plu
request-rate-gax	50 , zero, or any positive number	When the value is coapplied. Note: Only SIP Feats support this option. 8.1.202.40, the defa
request-rate-vm	50 , zero, or any positive number	The number of refeature Server of

Option	Values (default value in bold)	
		Platform (MCP) c access. When the value is co applied. Note: Only SIP Featu support this option. 8.1.202.40, the defa
request-rate-dm	100 , zero, or any positive number	The number of release Server or requests from IP Balancing (ELB) When the value is coapplied. Note: Only SIP Feature support this option. 8.1.202.40, the defa

python section

Option	Values (default value in bold)	
process-launcher	python or empty , Absolute file path or an executable name (if can be found using Operating System's PATH, as applicable to FS process) to start the standalone python process installed on the system.	When Cassandra set to CQL, the D Scheduler script using external p helps to specify python 3.X exec execution of Dia scripts is perforr interpreter (pyth

security section

Option	Values (default value in bold)	
security-headers-enabled	true, false	When set to tru to all API calls in

SMTP section

Set these options, used in email notifications of voicemail, in the SMTP section on the Options tab of the SIP Feature Server Application object.

Option	Values (default value in bold)	
Host	Server host name	The name of the to use to genera voicemail.
channel	SMTP, TLS, SSL	The connection puses. TLS and SS password.
port	port number	The port number depending on th
username	valid username	The username re SMTP server whe or SSL security. I
password	valid password	The password fo
trusted	false, true	When set to tru the specified SM server validation installation of ce

TServer section

Set these options, used in Find Me Follow Me, in the TServer section on the Options tab of the SIP Server (**not** SIP Feature Server) Application object.

Option	Values (default value in bold)	
fmfm-prompt-file	A valid filename	Specifies the file prompt. Must ma MCP folder/use Platform server l confirmation-p
fmfm-confirmation-digit	0 -9	Specifies the dig confirmation. Th number in the re a different digit, and place the fill folder on the Me
fmfm-confirmation-timeout	An integer between 5 and 60; the default value is 10	Specifies the tim with no input), ir includes playing and time for the Note: A call is consiup, the entered digit confirmation-digit input at all.
fmfm-trunk-group	A valid Trunk Group DN name	Specifies the Tru generated, wher to Media Server. that represents

Option	Values (default value in bold)	
		that DN to play r calls to FMFM de
msml-support	true, false	When set to tru required to use f

VoicemailServer section (Application object)

Set these options in the VoicemailServer section on the Options tab of the SIP Feature Server Application object.

Option	Values (default value in bold)	
access-first-prompt-delay-ms	0 , zero or any positive integer no greater than 6000 (6000 ms = 6 seconds).	Enables delay in first prompt duri will be limited to milliseconds, the next largest value. For example, 800 ms, Overrides the value
advance-audio-control	true , false	Displays advanc rewind, pause, a application user. switch level.
cassandra-counter	true , false	When set to tru is used for calcu When set to fal methodology to messages count Note: This option is 8.1.202.19 and later deployments, this opafter upgrading all the 8.1.202.19 and later
disable	true, false	When set to tru be disabled for to managing mailb can be still provi disabled.
disable-general-deposit-prompt	false, true	When set to tru prompt, Please the tone and p during voicemai
enable-default-password	false, true	Indicates whether default password set to false, SIF IDs to be used a true, administra

Option	Values (default value in bold)	
		passwords to all password can be once, after which passwords.
		Default passwords a to false. When use not take effect.
group-optout-use-default	false, true	When set to tru voicemail-optout optout prompt. Vany optout promhave an Optout
		The language us overrides the lar and overridden lar mailbox:
		Note: The group mais accessed.
languaga	<server locale="">, de, en-AU, en-GB, en-US, es, es-MX, fr, it, ja, pt-BR, ru, zh-CN, ko</server>	 When access personal mai
language		 When access accessed thr application-le
		When access language is to the second control of the second co
		When deposite the group materials
locale	en-US, other locale strings	Specifies the def User Interface (T
max-concurrent-sessions	Numeric Value	This option restriction is not conference option is not conference option for the which takes effer this option will togin option is s
play-disclaimer	false, true	When set to tru recorded disclair Overrides the va
play-review-on-deposit	true , false	Specifies whether (TUI) will play the confirm press 1, rerecord press 3
play-review-on-deposit	tiue, idise	When set to true, th
		When set to false, to continues as if the cont

Option	Values (default value in bold)	
		Note: You can set th set on both levels, th precedence.
prompt-delay-ms	0 , zero or any positive integer in multiples of 600 ms and not greater than 6000 ms (6000 ms = 6 seconds).	Enables delay by multiples of 600 first prompt duri milliseconds, the next largest valu example, 800 m is rounded to 60 Note: For the home in access-first-prof
security-account-lockout-duration	10, zero or any positive integer	Specifies the tim Feature Server v that has been lo entries; the user login attempts. A only an administ
security-max-login-attempt-count	4, any positive integer	Specifies the ma while accessing locked after 4 fa
security-password-enhanced-validation	false, true	When set to tru their passwords example) and se in mailbox passv using their mailt
security-password-check-internal-call	true , false	Specifies whether played when a u from an internal
security-password-length-min	4, any positive integer	Specifies the mindigits. Increasing users to reset the minimum.
skip-optout-prompt	false, true	When set to tru prompt, "To intel options, press 0 voicemail depos
skip-confirm-ouptout-prompt	false, true	When set to tru prompt, "To cont press 1, To leave voicemail depos
suspending-state-timeout	-1, any integer greater than 0	Maximum time, Server will be in for ongoing voice By default (when the configured), Feature sessions are comple shutdown of the voic maintenance or a so

Option	Values (default value in bold)	
		ensures the following
		Ongoing TUI before shutd
		New TUI voice an alternate
		New web UI r alternate Fea
time-zone	<pre><server time="" zone="">, any valid time zone (see http://joda-time.sourceforge.net/timezones.html)</server></pre>	Specifies the det messages (appli overrides any va when the time z to a value other
user-login	false, true	Indicates whether through a comm
voice-can-deposit-during-extended-absence	true , false	When set to tru after the absence
voice-enrollment-enabled	true , false	When set to tru enrollment.
voice-greeting-extended-max-duration	24, any positive integer	Specifies the len for the user to re after the period confirm their rec
voice-greeting-personal-max-duration	12, any positive integer	Specifies the len for the user to re after the period confirm their rec
voice-message-max-duration	10, any positive integer	Specifies, in secolength.
voice-message-priority-enabled	false, true	Enables callers t they are leaving When set to tru selection menu t urgent delivery. are all sent with
voice-mailbox-message-count	10, any positive integer	Specifies the ma messages per m
voice-mwi	true , false	If set to false, FS handling voicem
voicemail-optout-destination	empty (means that the feature is disabled), any phone number or routing point	When set, enabl voicemail to the moment during optout-destination but overridden withe Mailboxes se Provisioning mai
voicemail-quorum	false, true	Obsolete. The va

Option	Values (default value in bold)	
vxml-access-fetch-timeout	60 , any positive integer	This parameter of

VoicemailServer section (Switch)

Set these options in the VoicemailServer section on the Options tab of the SIP Switch object, not in the Application object.

Option	Values (default value in bold)	
access-first-prompt-delay-ms	0 , zero or any positive integer no greater than 6000 (6000 ms = 6 seconds).	Enables delay in first prompt duri will be limited to milliseconds, the next largest value. For example, 800 ms, Overridden by the vice of the second of the
advance-audio-control	true , false	Displays advance rewind, pause, a application user. the application I
language	<server locale="">, de, en-AU, en-GB, en-US, es, es-MX, fr, it, ja, pt-BR, ru, zh-CN, ko</server>	The language us overridden by the or mailbox level. Note: The group mais accessed. When access personal ma When access accessed threapplication-less language is a language is a language is a language mail the group mail over the group mail ove
play-disclaimer	false, true	When set to tru recorded disclain Overridden by the level, so to enabous also set the application level
play-review-on-deposit	true , false	Specifies whether (TUI) will play the confirm press 1, rerecord press 3

Option	Values (default value in bold)	
		When set to true, the When set to false, to continues as if the continues as if the continues are the least on both levels, precedence.
time-zone	<pre><server time="" zone="">, any valid time zone (see http://joda-time.sourceforge.net/timezones.html)</server></pre>	Specifies the del messages (appli when the time z application is se default.
voicemail-optout-destination	empty (means that the feature is disabled), any phone number or routing point	When set, enably voicemail to the moment during a voicemail-optout has a value or with Mailboxes setting Provisioning mail voicemail to the provisioning to the provisioning mail voicemail to the provisioning to the provisioning to the provision to the pr

history-log section

Set these options in the history-log section on the Options tab of the Configuration Server application object.

Option	Values (default value in bold)	
active	true , false	When Feature Se reconnected, the Configuration Se period are writte upon reconnecti
expiration	30 , 1-30	History log expir
max-records	1000 , 1-1000	Maximum record history log.

ScheduledTasks section

Set these options in the ScheduledTasks section on the Options tab of the Master Feature Server application.

When SSL and Cassandra authentication is enabled, the following three additional parameters must be appended to the existing values for the **<script name>.cmd** option:

- -u <username>—The Cassandra username. Default value is "cassandra".
- --pw <password>—The Cassandra password. Default value is "cassandra".
- --tls—Enables SSL connection.

For example, if we consider **update-mailbox-counters** task, **update-mailbox-counters.cmd** must be set as "**refereshInvalidMailboxCounters.py -H localhost -p 9160 -o update-mailbox-counters.log -u cassandra -pw cassandra -tls**".

Option	Values (default value in bold)	
update-mailbox-counters.active	false, true	When set to true and will schedule in the update-ma option.
update-mailbox-counters.cmd	refereshInvalidMailboxCounters.py -H localhost -p 9160 -o update-mailbox-counters.log	Command line for execution Command line forma refereshInvalidMa 9160 -o < log file where: • refereshInv name of the / <fs_install. -h="" -o="" <="" and="" be="" cassandra="" chan="" deployments="" filename="" he="" is="" le="" localhos="" may="" script="" solocation="" td="" •=""> - v enables accommon the may be chan deployments • -o < script le filename and filename is solocation is /</fs_install.>
update-mailbox-counters.schedule	0 0 6 ? * SUN	Schedule time for configured in cro
delete-expired-messages.active	false, true	When set to true schedule the tas delete-expired-n
delete-expired-messages.cmd	removeExpiredMessages.py -H localhost -p 9160 -o delete-expired-messages.log	Command line for execution. Command line formal localhost -p 9160 - where:

Option	Values (default value in bold)	
		 removeExpi the script file /<fs_instal.< li=""> -H localhost Cassandra he may be chan deployments -o <script <="" and="" filename="" if="" is="" li="" slocation=""> Important For each run, the secript log file in </td></tr><tr><td>delete-expired-messages.schedule</td><td>0 0 4 ? * SUN</td><td>Schedule time for configured in cro</td></tr><tr><td>forget-me.active</td><td>false, true</td><td>When set to true and will schedule option forget-me</td></tr><tr><td>forget-me.cmd</td><td>forgetMe.pydbhost <host>dbport <port></td><td>Command line formadbport <pre>command line formadbport <pre>command line formadbport <pre>content</pre> <pre>forgetMe.py located in /< util.</pre> <pre>dbhost < h Feature Serv</pre></td></tr><tr><td>forget-me.schedule</td><td>006?**</td><td>Schedule time for configured in cro</td></tr><tr><td>reimport.active</td><td>false, true</td><td>When set to true and will schedule in the reimport.s</td></tr><tr><td>reimport.schedule</td><td>Time in CRON format</td><td>Schedule time for configured in CR</td></tr></tbody></table></script></fs_instal.<>