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# iWD Deployment Guide

Configuring iWD Web Services

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Property	Default	Description/Notes
<b>Web Server</b>		
server.port	9990	Web server port
<b>Configuration Server Options</b>		
iwdweb.config_server.host	localhost	Configuration Server host
iwdweb.config_server.port	2020	Configuration Server port
iwdweb.config_server.application	iWDWeb	Configuration Server third party server name
iwdweb.config_server.client_app_name	iWDWebApp	Configuration Server third party application name for user connections. Can be configured on Configuration Server in third party server (the one named by <code>iwdweb.config_server.application</code> property) options under the boot section.
iwdweb.config_server.protocolTimeout	30000	Configuration Server connection timeout (in milliseconds)
<b>Configuration Server TLS Connections</b>		
iwdweb.tls.keyStore	none	TLS key store path
iwdweb.tls.keyStorePassword	none	TLS key store password
iwdweb.tls.validateCert	on	Always validate certificate. When set to off, certificate is not being validated
<b>HTTPS Configuration</b>		
server.ssl.enabled	none	Set to true to enable SSL support
server.ssl.keyStoreType	none	The format used for the keystore (for example, jks)
server.ssl.key-store	none	The path to the keystore containing the certificate
server.ssl.key-store-password	none	The password used to generate the certificate
For more information about how to configure SSL in Spring Boot, please refer to the vendor's <a href="#">Reference Guide</a> .		
<b>Redis Options</b>		
spring.redis.host	localhost	Redis server host

Property	Default	Description/Notes
spring.redis.port	6379	Redis server port
<b>Tasks Repository Options</b>		
iwddweb.repository.redis	true	Use Redis as back-end repository. The Redis back-end repository allows to make job lists permanent and survive iWD Web restart.
iwddweb.repository.inmemory	true	Use In Memory back-end repository. In scenarios where there are issues with connection to Redis server, used as fallback when this option is enabled. When In Memory back-end repository is used, the job history is cleaned after iWD Web restart.
<b>Spreadsheet File Upload Limits</b>		
iwddweb.upload.maxFileSize	1MB	Upload maximum size allowed for uploaded files. Values can use the suffixed "MB" or "KB" to indicate a Megabyte or Kilobyte size
iwddweb.upload.maxRequestSize	1MB	Upload maximum size allowed for multipart/form-data requests. Values can use the suffixed "MB" or "KB" to indicate a Megabyte or Kilobyte size.
iwddweb.upload.fileSizeThreshold	-1	The size threshold after which upload files will be written to disk. Values can use the suffixed "MB" or "KB" to indicate a Megabyte or Kilobyte size.
<b>CSV File Format</b>		
iwddweb.csv.columnSeparator	;	CSV file format column separator
iwddweb.csv.lineSeparator	\r\n	CSV file format line separator
iwddweb.csv.quoteChar	"	CSV file format quotation character
<b>Date &amp; Time</b>		
iwddweb.datetime.format	yyyy-MM-dd	Date and time attributes format
<b>Audit</b>		
iwddweb.audit.queueCapacity	10000	Audit's data queue capacity
<b>Logging</b>		
iwddweb.logging.dir	/GCTI/iWD	Logging files directory location.

Property	Default	Description/Notes
		<p>Only:</p> <ul style="list-style-type: none"> <li>• Command line—<code>-- iwdweb.logging.dir=/var/logs/</code></li> <li>• System—<code>java -Diwdweb.logging.dir=/var/logs/ ...</code></li> <li>• Environment—<code>export IWDWEB_LOGGING_DIR=/var/logs/</code> or <code>export IWDWEB_LOG_DIR=/var/logs/</code>. Property sources are examined. Moreover, directory must have write permission enabled for used which runs iwdweb application.</li> <li>• On Windows: <ul style="list-style-type: none"> <li>• Command line—<code>add -- iwdweb.logging.dir="C:/Program Files/GCTI/iWD Web/logs/"</code> to <code>JavaServerStarter.exe</code> command. Please note to use "/" instead of "\". Example—<code>"C:\PROGRA~1\GCTI\IWDWEB~1\IWDWEB~1.04_\JavaServerStarter.exe" -host xx-yyy-zzzzzz -port 2020 -app "iWD Web_8.5.aaa.bb_xx-yyy-zzzzzz" -- iwdweb.logging.dir="C:/Program Files/GCTI/iWD Web/iWD Web_8.5.aaa.bb_xx-yyy-zzzzzz/logs/"</code> You may also use "\" but please remember to not escape last ". Example—<code>"C:\PROGRA~1\GCTI\IWDWEB~1\IWDWEB~1.04_\JavaServerStarter.exe" -host xx-yyy-zzzzzz -port 2020 -app "iWD</code></li> </ul> </li> </ul>

Property	Default	Description/Notes
		<pre>Web_8.5.aaa.bb_xx-yyy-zzzzzz" -- iwdweb.logging.dir= "C:\Program Files\ GCTI\iWD Web\iWD Web_8.5.aaa.bb_xx-yyy- zzzzz\logs\\"</pre> <ul style="list-style-type: none"> <li>• System—In <code>JavaServerStarter.ini</code> in <code>[JavaArgs]</code> section add <code>-Diwdweb.logging.dir=C:\Program Files\GCTI\iWD Web\logs\</code></li> <li>• Environment—Add <code>IWDWEB_LOGGING_DIR</code> or <code>IWDWEB_LOG_DIR</code> system variable</li> </ul>
<b>Tasks Scheduler</b>		
<code>iwdweb.scheduler.poolSize</code>	10	Sets the core number of threads in pool
<b>Async Tasks Executor</b>		
<code>iwdweb.async.corePoolSize</code>	2	Sets the core number of threads in pool
<code>iwdweb.async.maxPoolSize</code>	5	Sets the maximum allowed number of threads
<code>iwdweb.async.queueCapacity</code>	1000	Sets the capacity for the tasks executor queue
<b>Web Service Capture Point</b>		
<code>iwdweb.wscp.uri</code>	none	WebService SOAP service endpoint. Must be configured when the wscp profile is used.
<code>iwdweb.wscp.connectionTimeout</code>	10000	WebService SOAP service endpoint socket connection timeout (in milliseconds)
<code>iwdweb.wscp.readTimeout</code>	10000	WebService SOAP service endpoint read socket connection timeout (in milliseconds)
<b>Submitter Async Tasks Executor</b>		
<code>iwdweb.submitter.corePoolSize</code>	20	WebService SOAP service endpoint task submitter's core number of threads in pool

Property	Default	Description/Notes
iwddweb.submitter.maxPoolSize	50	WebService SOAP service endpoint task submitter's maximum allowed number of threads
iwddweb.submitter.queueCapacity	10000	WebService SOAP service endpoint task submitter's tasks queue capacity
iwddweb.submitter.caps	1000	WebService SOAP service endpoint task submitter's call attempts per seconds
<b>GAX &amp; Global Task List Options</b>		
iwddweb.url.gax	none	Genesys Administrator Extension (GAX) URL
iwddweb.url.gtl	none	intelligent Workload Distribution (iWD) tasks list URL