Recast

Server Configuration

Last Modified on 2026-10-28

For the description of the server setting configuration options available in Application Workspace see Servers. For proxy related settings available in Application Workspace, see Server Settings.

Server JSON

`server.json` is the configuration file of the Application Workspace Server.
It's default location path is `C:\Program Files (x86)\Liquit Workspace\Server\Server.json`

The config file is always specific to a single server so we recommend you do not copy it to another server unless you want to migrate an existing Application Workspace Server installation to a new server.

> The values in a JSON file should always be escaped. For example, `C:\temp` should be `C:\\temp`.

Example of a complete server.json configuration

```
{
 "log": {
  "level":  "Info",
  "path":  "Server.log",
  "rotateCount":  6,
  "rotateSize":  1048576
 },
 "contents":{
      "cache": true,
      "replication":  true,
      "threads":  8,
      "interval": 5,
      "path":  "Content"
 },
 "tasks":{
      "enabled": true,
      "threads": 8,
      "untargeted": true,
      "preferSelf": false,
      "interval": 5
 },
 "listeners": [
  {
   "required": true,
   "address": "*",
   "port": 80
  },
  {
   "required": true,
   "certificate": "lws",
   "address": "*",
   "port": 443
  }
 ],
 "systemId": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
 "serverId": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
 "connectionString": "Data Source=database.recastsoftware.com;Initial Catalog=ApplicationWorkspace;Integrated Security=False;User ID=db-user;Password=db-password",
 "readOnlyReplicaSupport": true,
 "ignoreUnknownZones": false,
 "redirect": true
}
```


Example of objects you can use in a config file

log

The Application Workspace Server logs events that are initiated.


```
 "log": {
  "level": "Info",
  "path": "Server.log",
  "rotateCount": 6,
  "rotateSize": 1048576
 }
```


Property	Description	Default value

Property	Description	Default value
level	Defines the level of logging: • **None** Nothing will be logged to the log file • **Critical** only critical errors will be logged to the log file. • **Error** Only errors and critical errors will be logged to the log file. • **Warning** Only warnings, errors and critical errors will be logged to the log file. • **Info** Basic information and warnings, errors and critical errors will be logged to the log file. • **Debug** Detailed information will be logged to the log file about all actions. You can use this information when troubleshooting.	Info
path	You can define an alternate path of the Agent log files here.	C:\ProgramData\Liquit Workspace\Server\Logs
rotateCount	The number of log files that will be archived.	5
rotateSize	The limit of log file size in bytes. When this limit is reached, a new log file will be created and the old file will be archived.	1048576

contents

Defines how the Application Workspace Server should handle its content.

```
"contents":{
   "cache": true,
   "replication": true,
   "threads": 8,
   "interval": 5,
   "path": "C:\\ProgramData\\Liquit Workspace\\Server\\Content"
}
```

Property	Description	Default
cache	Defines whether or not the content of files that are smaller than 1 MB should be cached in memory.	true
replication	Enables the replication of the local server content across Application Workspace Servers.	true
threads	The number of threads available for content.	8
interval	The number of seconds between idle checks performed to see if any content needs to be replicated.	5
path	The path where contents are stored.	C:\ProgramData\Liquit Workspace\Server\Content

connectionString

This object is automatically generated when you use the installer to install Application Workspace. If the credentials or the location of the database is changed, these changes should be applied to the `connectionString` object.

```
"connectionString": "Data Source=database.recastsoftware.com;Initial Catalog=recastsoftware;Integrated Security=False;User ID=db-user;Password=db-password"
```

preferredIp

Allows you to set a specific IP which will be used for server communication instead of relying on the automatically detected IP that Application Workspace might use.

```
"preferredIp": "192.168.1.1"
```

tasks

Control how the Application Workspace Server should execute tasks.

```
"tasks":{
    "enabled": true,
    "threads": 8,
    "untargeted": true,
     "preferSelf": false,
     "interval": 5,
     "typeLimits": {
                "sync*": 4,
                "cleancontent": 2
                }
}
```

Property	Description	Default
enabled	Defines whether or not the Application Workspace Server is allowed to execute tasks. We recommend you always leave it set to true. Disabling tasks will cause unexpected behaviour, so, as an alternative, we recommend you set the `untargeted` property to false if you want to prevent non-server-specific tasks from being executed by this server.	true
threads	Defines how many threads that handle tasks can run simultaneously.	8
untargeted	Defines whether or not the Application Workspace Server is allowed to start tasks that were not created for the current server.	true
preferSelf	When set to true, the Application Workspace Server will handle tasks that have been initiated on the current server.	false
interval	The number of seconds between idle checks performed to see if any tasks are queued for execution.	5

typeLimits	Defines a maximum number of tasks to run simultaneously grouped by their type. This should only be configured if instructed by Recast. You can use wildcards to configure multiple task limits for a single pattern. Two rules apply:
	• If there are 2 strings with different length matching the same item, the longer string overrules the shorter string (`syncconnect*` overrules `sync*`)
	• If there are 2 strings with the same length matching the same item, the one with the highest limit will be used. In the following example, `"sync*": 4` will be used:
	`{`
	`"sync*": 4,`
	`"sync*": 2`
	`}`
	
	For all the available scheduled tasks types, see Scheduled Tasks.	

listeners

The listeners property defines which IP and/or ports Application Workspace will receive and handle requests.

```
"listeners": [
  {
    "required": true,
    "address": "*",
    "port": 80
  },
  {
    "required": true,
    "certificate": "lws",
    "address": "*",
    "port": 443
  }
]
```

Property	Description	Default
required	When the required value is set to true, the Application Workspace Server will not continue to start up when it can't be registered	false
certificate	The friendly name of the certificate Application Workspace Server should use. SSL/TLS is only used when this property has a value set.	
address	The address of the Application Workspace Server. Wildcards (*) are permitted.	*
port	The port used by the Application Workspace Server to receive and handle requests..	80
redirectPort	Specifies to which port the browser redirects for secure connections. Works only for non-secure ports. When not specified, the first secure listener available on the same network address (including offloading ports) will be used.	0
offloadingPort	Indicates that the listener is HTTPS offloaded (TLS termination). The webserver will use an HTTP listener but will handle incoming traffic as secure.	0

readOnlyReplicaSupport

When set to true, the server will defer read-only queries that do not require the latest data to secondary SQL servers. This option is useful for large deployments where the Application Workspace database is hosted in Azure SQL or on an AlwaysOn SQL cluster. This option has no effect on single SQL server deployments.

```
"readOnlyReplicaSupport": true
```

ignoreUnknownZones

When set to true, the server will return a "404 not found" error message when the requested page is not found on the server.
When set to false, and the requested page is not found on the server, the message "Zone not found" is displayed, meaning the server is running.

```
"ignoreUnknownZones": true
```

redirect

When set to true, the server will redirect incoming insecure requests to the secure port (by default 443), as configured within the listeners. When set to false, the server will NOT redirect insecure requests.

```
"redirect": true
```

Recast