

How to enable the automatic DB maintenance

Applies from Application Suite 2018.1.1
to version Application Suite 201x (any version)

Description:

This article describes how to enable the automatic execution of the suite database maintenance, to preserve the DB efficiency.

The maintenance will execute **every day** at a configurable time. Since the execution could slow down some operations, it is recommended to schedule the execution in the **off-peak hours** (normally at night time).

How-to:

1) Edit the file **StonevoiceAS\Apps\FW\Settings\FW.Watchdog.Service.config.xml** and add the following parameters (set the preferred execution time in the 24h format):

```
<preference key="dbmaintenance.execution.enabled" value="true" />  
â <!-- Scheduled time of database maintenance operations (HH:mm, i.e. 24H format) -->  
â <preference key="dbmaintenance.execution.time" value="03:30" />
```

2) Save the file.

3) From the Windows Services panel restart the service "Imagicle Monitoring", to apply the change.

Notes

- The duration of the maintenance operation depends on several factors: amount of stored data, SQL Server performances, date of the last maintenance execution. It can range from a few seconds to some hours for biggest databases. A UCS Suite running a local SQL Express instance usually takes less than 10 minutes.
- In case of high availability configurations with multiple Imagicle nodes:
 - ◆ if the database model is **shared** (all nodes pointing to the same DB), you must enable the DB maintenance on **one** Imagicle server only (typically the first one);
 - ◆ if the database model is **replicated**, you must schedule the maintenance on **all** Imagicle servers. The recommendation is to differentiate the execution time of at least 1-2 hours across the different nodes, because the simultaneous execution may raise temporary issues (and alerts) in the DB replication mechanism.