



Workbench for Desktop

Creating New Configuration Databases



APPLICATION NOTE

June 2017

Description: A guide demonstrating how to create, edit, and use Configuration Databases in Workbench.

Introduction

Workbench is a centralized environment for GENESIS64 product configuration and runtime operations, providing a framework for security, project management, and multimedia technology to configure alarms.

The Workbench is designed for concurrent configuration by multiple development team members over the internet. It follows the *optimistic concurrency model*; there are no database locks. Multiple application servers and databases can be configured simultaneously.

How to Create and Use New Configuration Databases in Workbench

In Workbench you can either have separate configuration databases for each provider (AlarmWorX64 Server, Global Aliasing, SNMP, etc.) or you can have one unified configuration database, which contains all configuration for all configured providers. GENESIS64 will by default install separate databases. You can change this by selecting "Install all configurations in one unified database" during the GENESIS64 installation, or after installation by running "Configure System" from the Windows Start Menu.

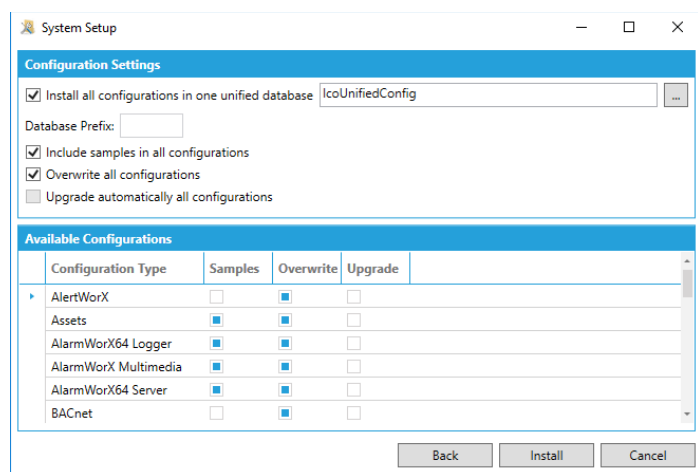


Figure 1 - Installing all configurations in one unified database

1. Run Workbench from the Windows Start Menu.
2. In the Ribbon select Project → Configure database.

3. Fill in the name of a new Configuration Database you wish to create and then click Next.

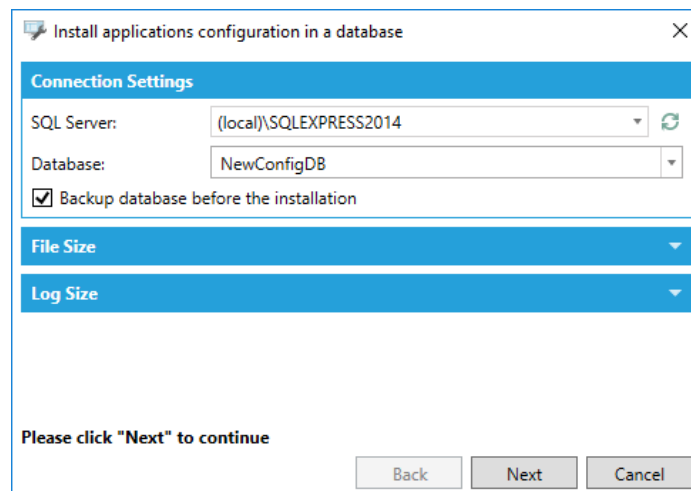


Figure 2 - Creating a new configuration database

4. On the next window you can select which provider configuration will be included in this database. You can select multiple providers, and choose whether to include Sample Data.

NOTE: To check or uncheck all boxes in a column at once, right-click in the column header. You will be presented with options to install/disable all configurations or include/Exclude sample data for all configurations.

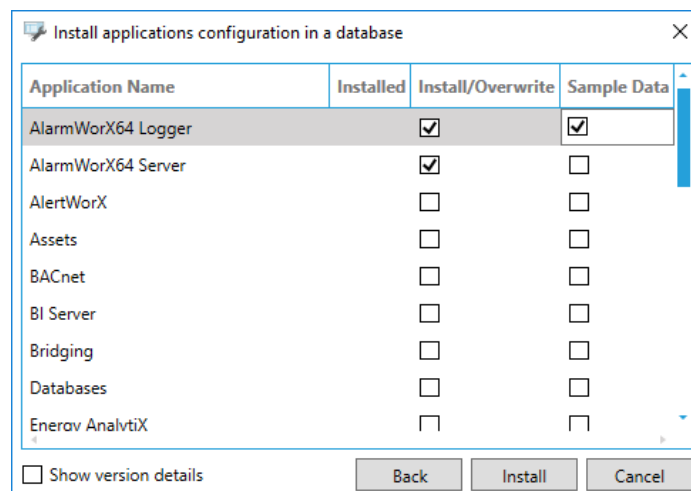


Figure 3 - Selecting options for each provider

5. Click Install, and a database with corresponding tables will be created in your SQL server.



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You can add additional provider configurations to an existing database the same way. Choose an existing database from the dropdown, and you will see checkmarks next to the configurations that are already installed.

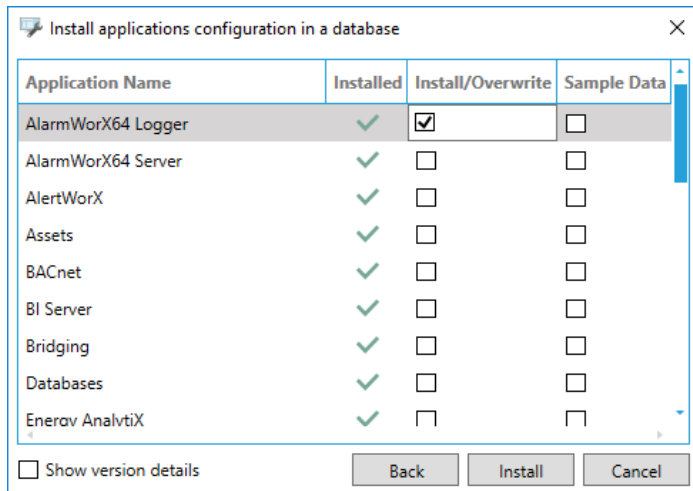


Figure 4 - Adding new provider configurations into existing database

Now we will connect our providers to the new created database.

6. In the Project Explorer, right-click on your project (named "MyProject" by default) and select **Configure Application(s) Settings**. This will load the project details panel.
7. To use a unified database, expand the Unified Database section and choose your unified configuration. This database will become the active configuration database for all of your providers.

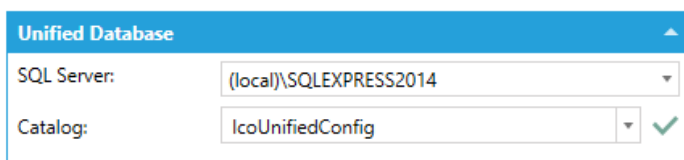


Figure 5 - Selecting a Unified Database

8. To change the active database for an individual provider, go to the Project Applications section and choose the appropriate SQL Server and Catalog (database).

Project Applications				
	Name	SQL Server	Catalog	Notes
☒	AlarmWorX64 Logger	(local)\SQLEXPRESS2014	IcoUnifiedConfig	Configuration
☒	AlarmWorX64 Server	(local)\SQLEXPRESS2014	AwxLogger	on
☒	AlertWorX	(local)\SQLEXPRESS2014	IcoUnifiedConfig	on

Figure 6 - Selecting an Individual Database

9. Click the **Apply** button to apply any changes. (You may need to click away from the field you are editing before the Apply button becomes enabled.)

Hiding Providers

If there are providers you do not use you can hide them from Workbench by unchecking them in the Project Applications section. Unchecked applications will not show under this project in Workbench. Remember to hit **Apply** if you've made changes!

If you have more than one project and you switch the active project from one that has a certain provider and one that does not, the active database for the unchecked providers will not change. For example, if MainProject is currently your active project and it includes the BACnet provider, then you activate TestProject which had the BACnet provider unchecked, whatever database was active for BACnet under MainProject will remain active.

If you wish to completely disable a particular provider, rather than simply hiding it from Workbench, you can disable the relevant service in the Windows Services control panel.