

SQL configurations

Language: [Deutsch](#) · [English](#)

SQL configurations

Run SQL automatically on nuclet import – versioned, checksum- and tag-controlled.

REFERENZ

APPLICATION DEVELOPER

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APPLIES TO NUCLOS 4.2026.X

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What are SQL configurations?

Menu: *Configuration Nuclet SQL configurations tab (from Nuclos 4.2024.31).*

Nuclos can execute SQL automatically when a **nuclet is imported**. The statements are stored directly in the nuclet and travel with the transfer.

Parameter (0)	Extensions (0)	SQL-Konfigurationen (6)	Release Notes (0)	Abhängigkeiten (0)		Nach Schema Update	Checksumme	Nuclet Version	Fehler in Ausführung	Unveränderte Änderung	Tags	Checksumme der letzten Ausführung	Letzte Ausführung	Ergebnis
1 Initial Config	None	Adds some basic entries		INSERT INTO ONEL_SAMPLECONFIGURATIONENTITY (INITID, STRNUMBER, STRSIZECOUNTER, DATCREATED, STRCREATED, DATCHANGED, STRCHANGED, INTVERSION) VALUES (nextval('nuclos.idfactory'), '01', 'Administrator', NOW(), 'Import', NOW(), 'Import', 1) ON CONFLICT DO NOTHING;	☒	Yg6P2DhniVtV6wScmWQ==	1	☐			Yg6P2DhniVtV6wScmWQ==	22.11.2024		
1 Specific Tag not included	Testing Tag	Testing Tag		INSERT INTO ONEL_SAMPLECONFIGURATIONENTITY (INITID, STRNUMBER, STRSIZECOUNTER, DATCREATED, STRCREATED, DATCHANGED, STRCHANGED, INTVERSION) VALUES (nextval('nuclos.idfactory'), '04', 'Tag', NOW(), 'Import', NOW(), 'Import', 1) ON CONFLICT DO NOTHING;	☒	7b3UjNHv4St2u4t9p6ee==	1	☐		Special				
1 Error-SQL	Should be run on Error	Should be run on Error		INSERT INTO unknown;	☐	Od8tgEtr8qz79Phuodm7qym==		1	☒			Od8tgEtr8qz79Phuodm7qym==	22.11.2024	Syntax Fehler in SQL Befehl "INSERT INTO UNKN...
1 H2-Test	Testing H2 Tag	Testing H2 Tag		INSERT INTO ONEL_SAMPLECONFIGURATIONENTITY (INITID, STRNUMBER, STRSIZECOUNTER, DATCREATED, STRCREATED, DATCHANGED, STRCHANGED, INTVERSION) VALUES (nextval('nuclos.idfactory'), '03', 'H2', NOW(), 'Import', NOW(), 'Import', 1) ON CONFLICT DO NOTHING;	☒	EluayRUGALDfogaRt+AdvA==	1	☐		H2	EluayRUGALDfogaRt+AdvA==	22.11.2024		
2 Testing Order	Should not be applied this data	Should not be applied this data		INSERT INTO ONEL_SAMPLECONFIGURATIONENTITY (INITID, STRNUMBER, STRSIZECOUNTER, DATCREATED, STRCREATED, DATCHANGED, STRCHANGED, INTVERSION) VALUES (nextval('nuclos.idfactory'), '01', 'Testing-Order', NOW(), 'Import', NOW(), 'Import', 1) ON CONFLICT DO NOTHING;	☒	hLPR63SLdy+ISRR9fIP2Q==	1	☐			hLPR63SLdy+ISRR9fIP2Q==	22.11.2024		
3 New Version-Test	This SQL should run on nuclet v.2	This SQL should run on nuclet v.2		INSERT INTO ONEL_SAMPLECONFIGURATIONENTITY (INITID, STRNUMBER, STRSIZECOUNTER, DATCREATED, STRCREATED, DATCHANGED, STRCHANGED, INTVERSION) VALUES (nextval('nuclos.idfactory'), '05', 'Version', NOW(), 'Import', NOW(), 'Import', 1) ON CONFLICT DO NOTHING;	☒	8YCpP5HhR9hVh45JaQA==	2	☐						

SQL configurations in the nuclet.

Settings

Parameter	Values	Exported	Meaning
Order	Integer (default 1)	Yes	Determines the execution order of the scripts.
Name	Text (e.g. MyScript)	Yes	Short label for the script.
Description	Text (optional)	Yes	More detailed description of what the script does.
SQL	CLOB / text	Yes	The raw SQL; separate multiple statements with a semicolon: UPDATE ...; INSERT ...;
After schema update	Boolean	Yes	Run before or after the schema update (creation of new BOs).
Checksum	Text (readonly)	Yes	Calculated automatically from the SQL; identical scripts already run are not repeated.
Nuclet version	Integer	Yes	From which nuclet version the script runs (with „irreversible“ the required version before import).
Irreversible change	Boolean	Yes	Enforces a minimum nuclet version for subsequent scripts.
Tags	Text (space-separated)	Yes	Binds scripts to tags (server parameter SQL_CONFIG_FILTER). The database type (POSTGRESQL/H2 /ORACLE) is always a tag.

Date of last execution	Date (readonly)	No	Set when the script has been executed.
Execution checksum	Text (readonly)	No	Checksum at execution time; if the SQL checksum changes, the script runs again.
Error	Boolean	No	Set if a statement contained an error.
Output	Text	No	Error message of the SQL execution when „error“ is set.

Related pages

 Database

Overview.

[Open](#)

 Nuclet

Nuclet concept.

[Open](#)

 Database objects

Views & functions.

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