

Windchill Extension Test Plan

Extension Platform Validation Plan

Details					
Generated	2025/02/24 17:55				
Group Id com.wincomplm					
Artifact Id wex-platform-testplan-validation					
Name Extension Platform Validation Plan					
Version	2.1				
Beta	No				
Windchill Version	13.1				
Description	The platform within Windchill that manages extensions				
System Extension	Yes				



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Description

Version **2.0.3**

Windchill Version 13.1

Click the link below to download the latest version of this test plan

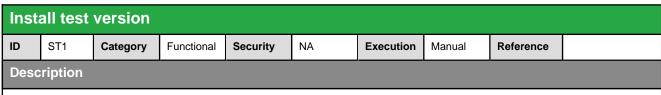
Testing for the new Wincom Extension Platform 2.0 features that will be included in Windchill.

This test plan is functional only and does not test security.

https://github.com/wincomplm/edk/raw/refs/heads/main/access/test-wexes/13.1/wex-platform-testplan-validation.release.testplan.pdf

Overview & Setup





Windchill will have the latest platform preinstalled but the latest version can be installed using the installer.

Actions

Download the installer and run it from a Windchill Shell

Click the link below to download the latest installer

Windows: java -jar wex-platform-xxxxx.jar Lunix (no GUI): java -jar wex-platform-xxxxx.jar -console

Click the link below to download the latest installer

https://github.com/wincomplm/edk/raw/refs/heads/main/access/test-wexes/13.1/wex-platform-2.0-13.1.0.0-SNAPSHOT.jar



Install test version

Result

Install complete



Set Windchill+ to be default

ID ST11 Category Functional Security NA Execution Manual Reference

Description

Set the WEX_WCPLUS environment variable to ensure WC plus is preset

Actions

Set the WEX_WCPLUS variable to true

USEKDOMAIN=AZUreAD

USERDOMAIN_ROAMINGPROFILE=AzureAD

USERNAME=SimonHeath

USERPROFILE=C:\Users\SimonHeath

WEX_WCPLUS=true

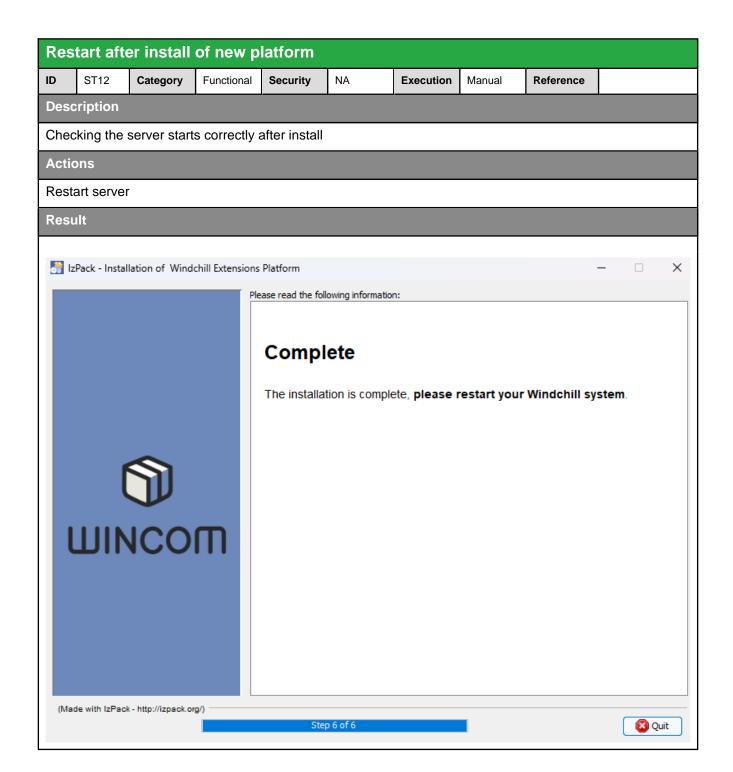
windir=C:\Windows

WT_HOME=C:\ptc\Windchill_13.0\Windchill

ZES_ENABLE_SYSMAN=1

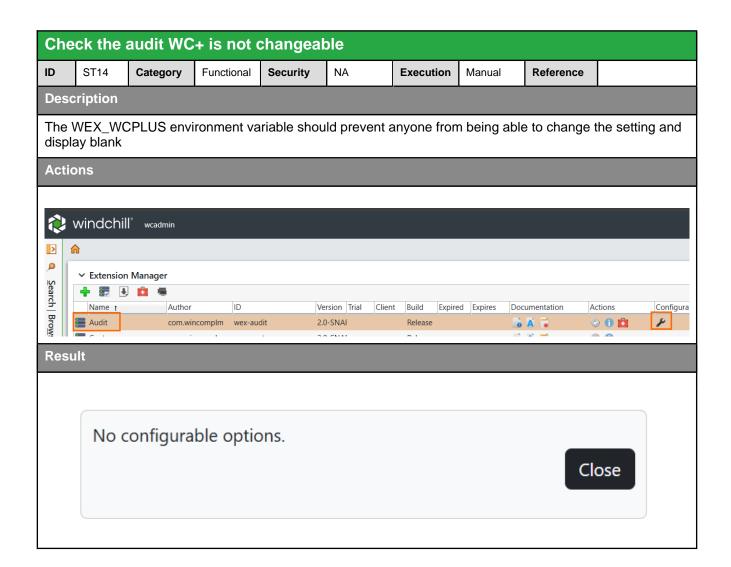
Result

Environment Variable is created

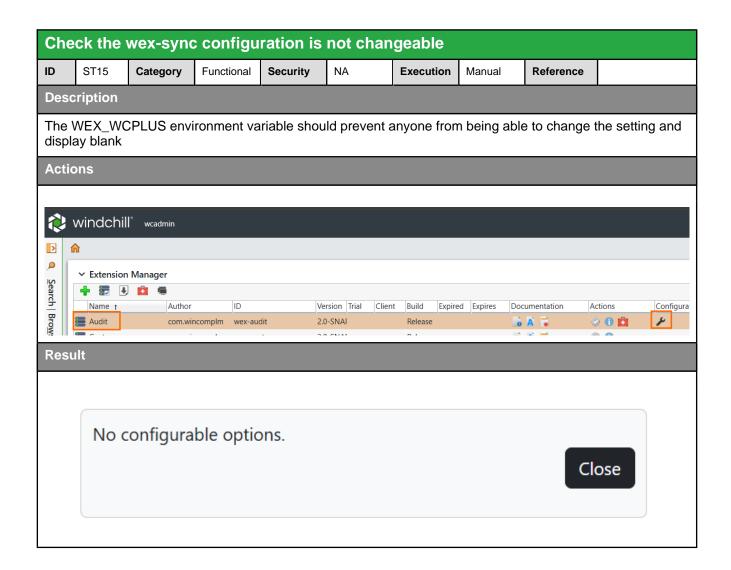


Check method server for output of environment variable									
ID	ST13	Category	Functional	Security	NA	Execution	Manual	Reference	
Description									
The WEX_WCPLUS environment variable should show up in method server									
Actions									
Review method server log for WEX_WCPLUS value is 'true'									
Result									
NFO: wt.system.err - 2025-44-30 13:44:21 INFO com.wincomplm.wex.kernel.impl.manager.WexKernelManagerDelegate - Your Kernel will expire in 178 day(s) NFO: wt.system.err - 2025-44-30 13:44:21 INFO com.wincomplm.wex.kernel.impl.manager.WexKernelManager - Initializing Wex Kernel NFO: wt.system.err - 2025-01-30 13:44:29 WARN com.wincomplm.wex-audit.WindchillplusHelper - WEX_WCPLUS value is 'true''									





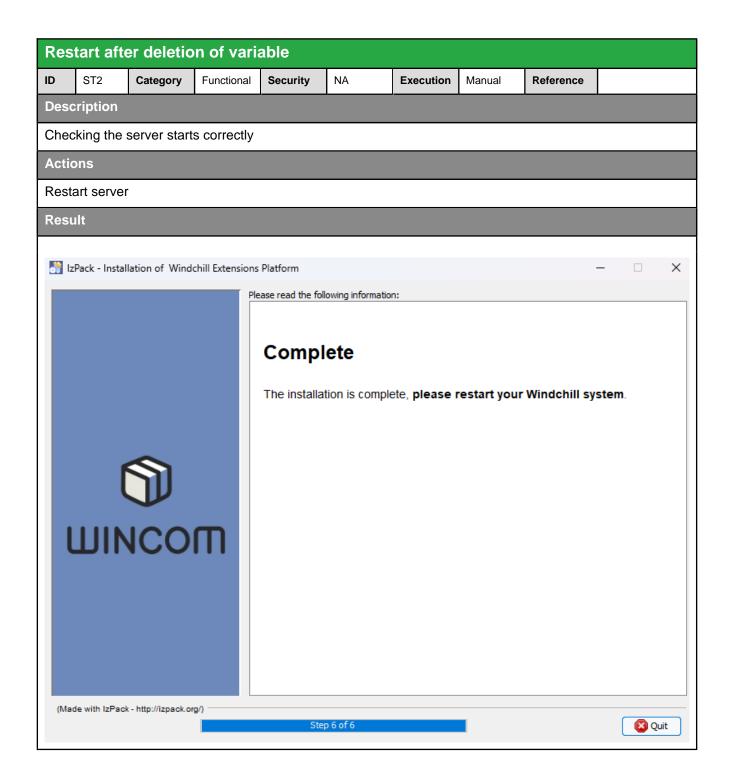




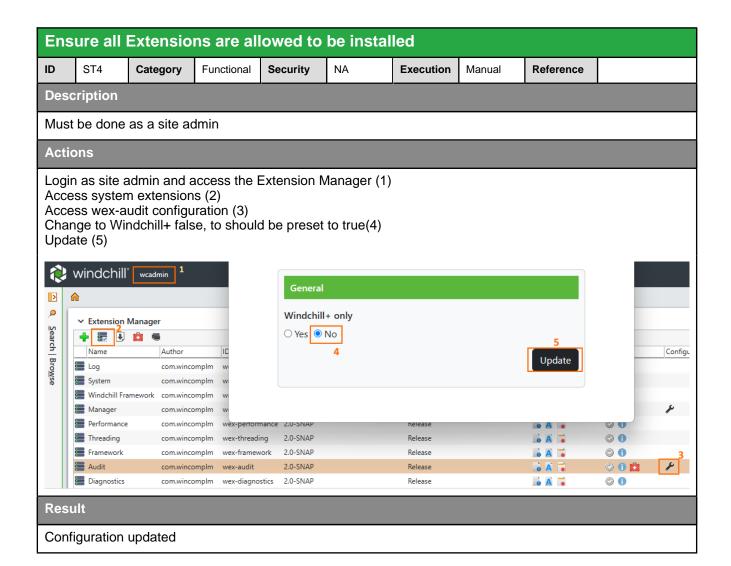


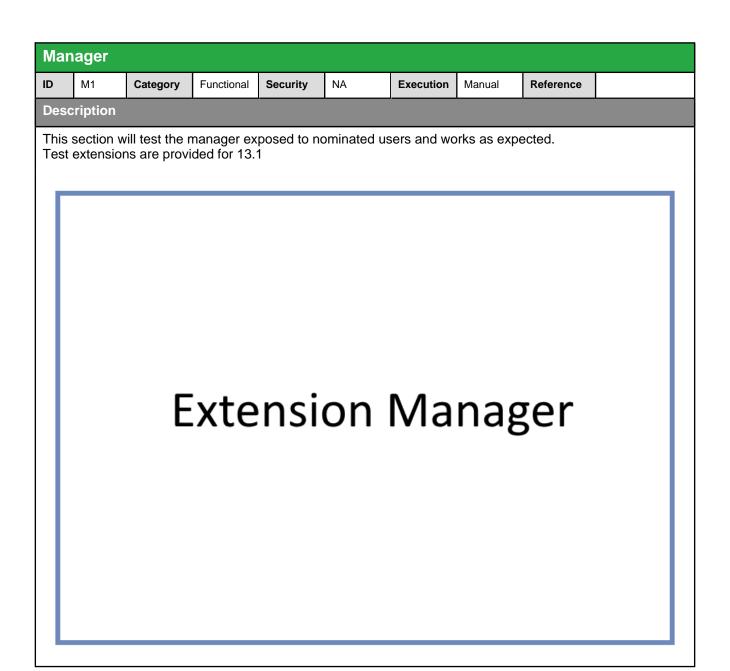
Remove Windchill+ environment variable									
ID	ST15	Category	Functional	Security	NA	Execution	Manual	Reference	
Description									
Removing the environment variable allows site admin to change Audit config for the tests ahead									
Actions									
Delete the WEX_WCPLUS from the environment variables									
Result									
Check the system settings									



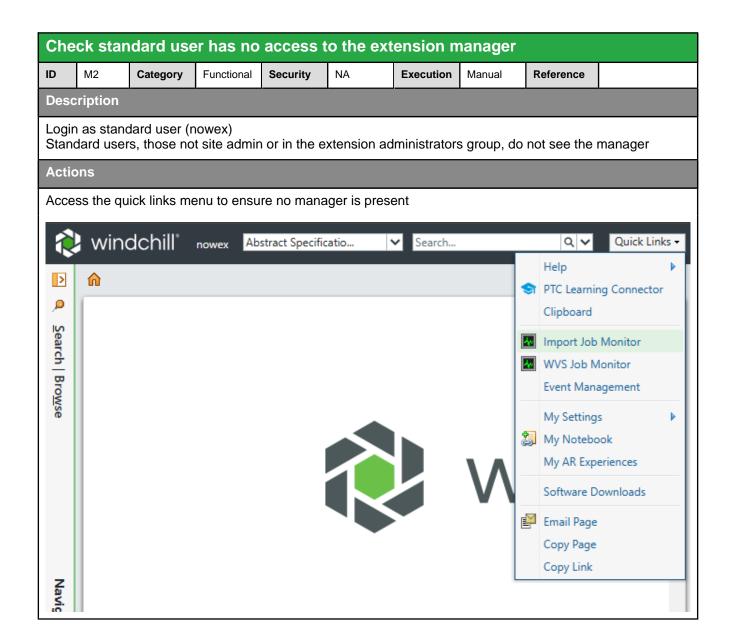


Create Wex Manager new user ST3 Category **Functional** Security NA Execution Manual Reference Description We will use three users during the testing + Site Admin - Will be able to perform all functions including system configuration (wcadmin) + Extension Admin - A user that can deploy and undeploy approved extensions (wex) + Standard User - A user with no special privilages (nowex) **Actions** Create a new user (wex) and add them to this group Create a new user (nowex) and do not add them to this group Result The Group Extension Administrators is present (does not need to be manually created) Q 🗸 windchill* Abstract Specificatio... ✓ Search. Quick Links • wcadmin **Site** Recently Accessed • > ∨ Participant Administration (2 objects) Search | Browse 🗕 🖀 🦉 强 | Actions 🕶 Q 🖁 + 🕝 Search in table Name Status Description Organization ID **Extension Administrators** Can deploy, undeploy and configure extensions for the business (0 objects selected) Navigator

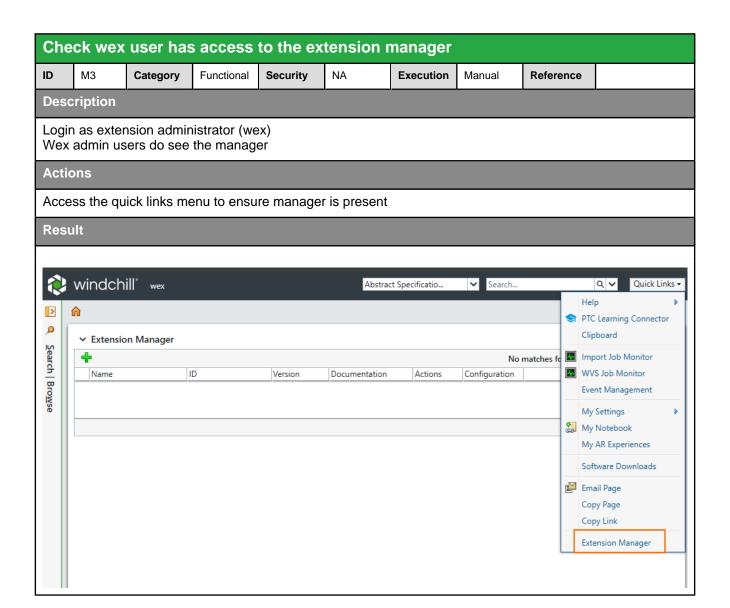




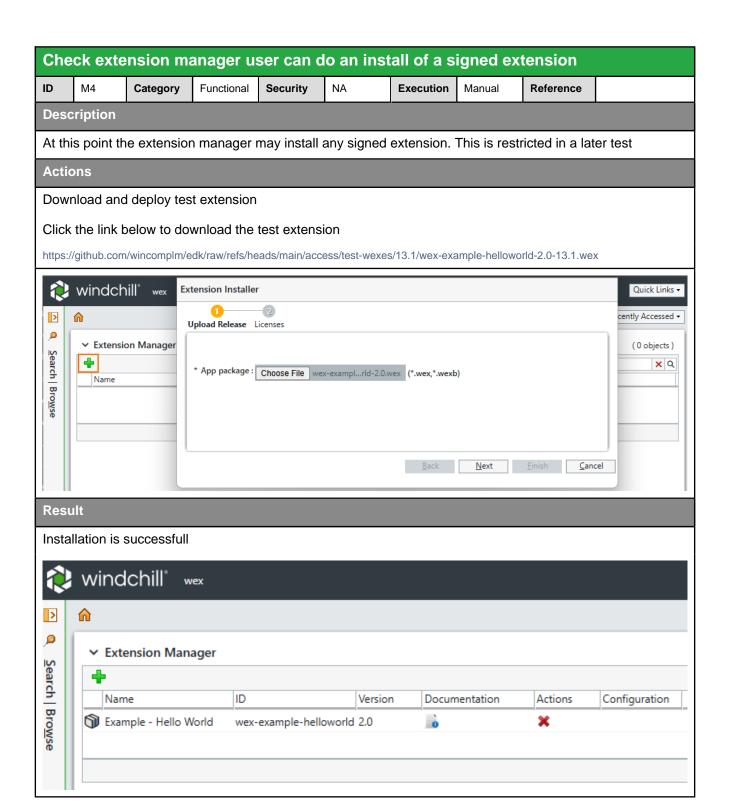


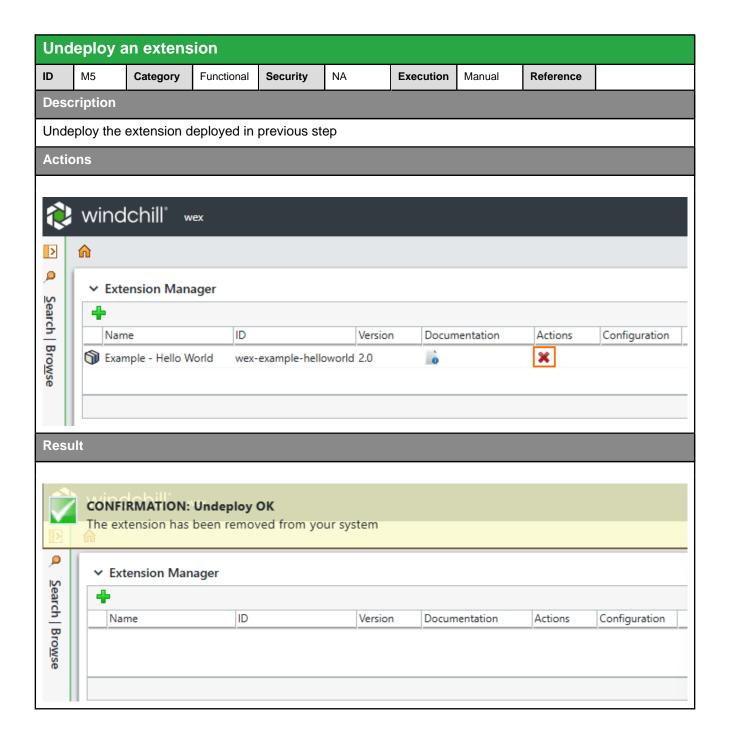


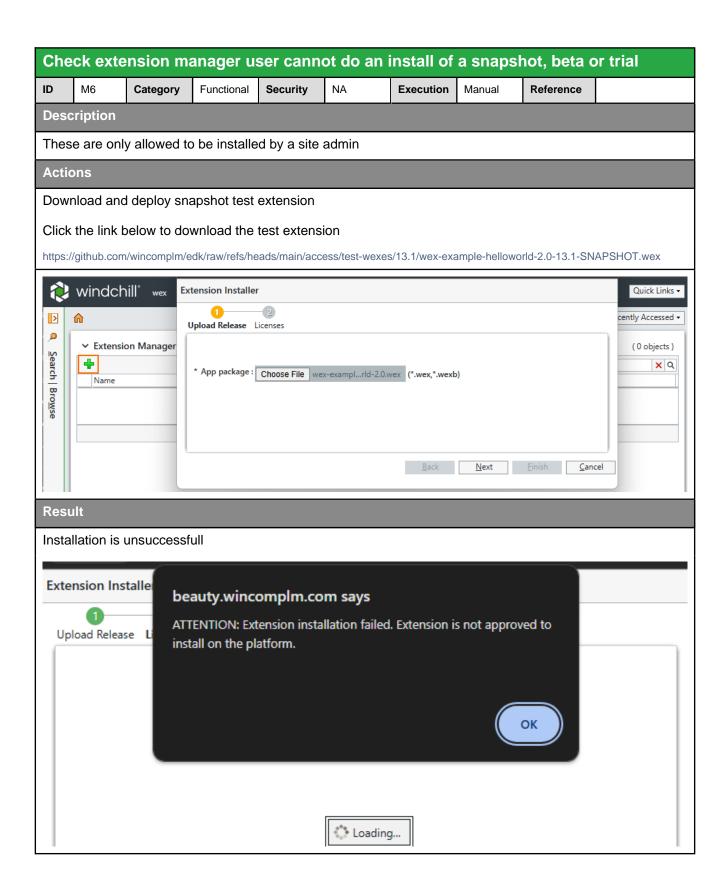


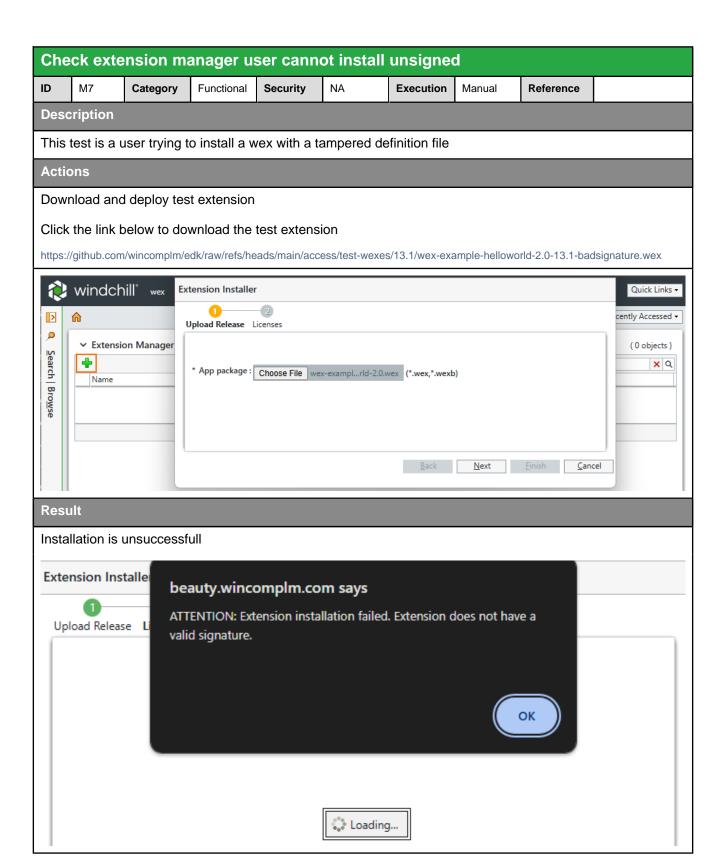


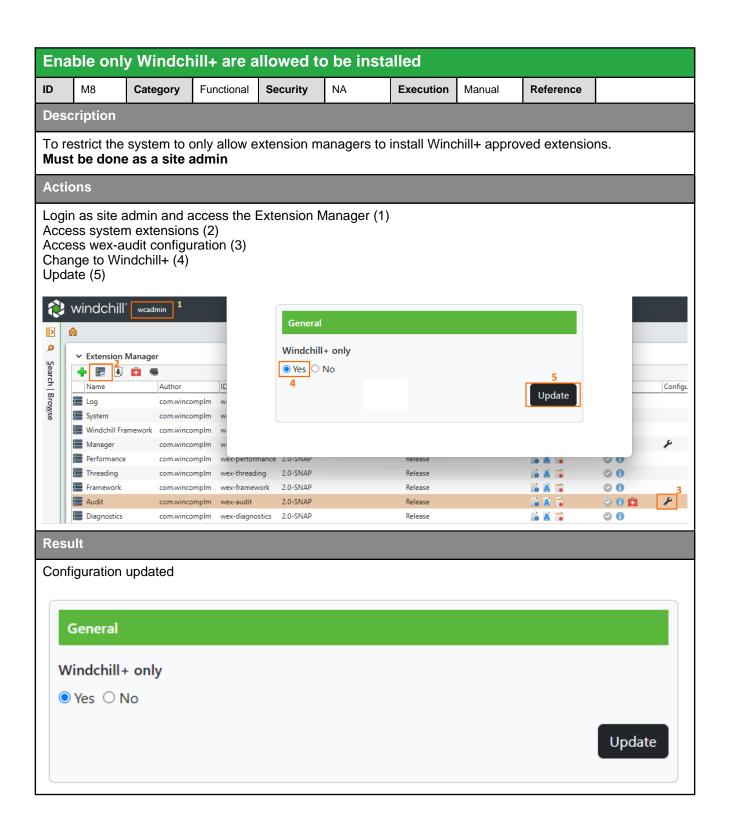


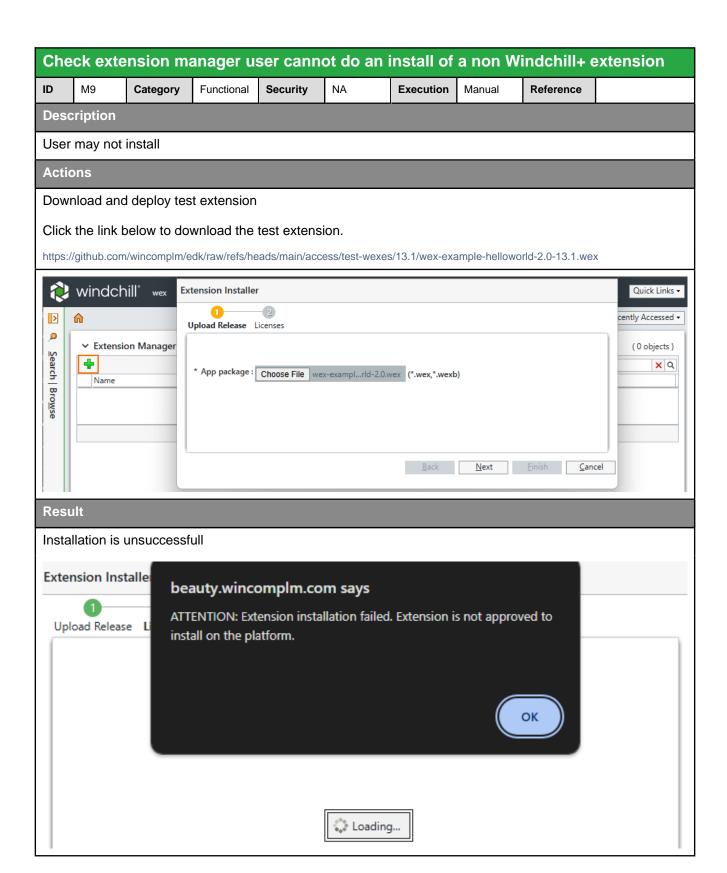


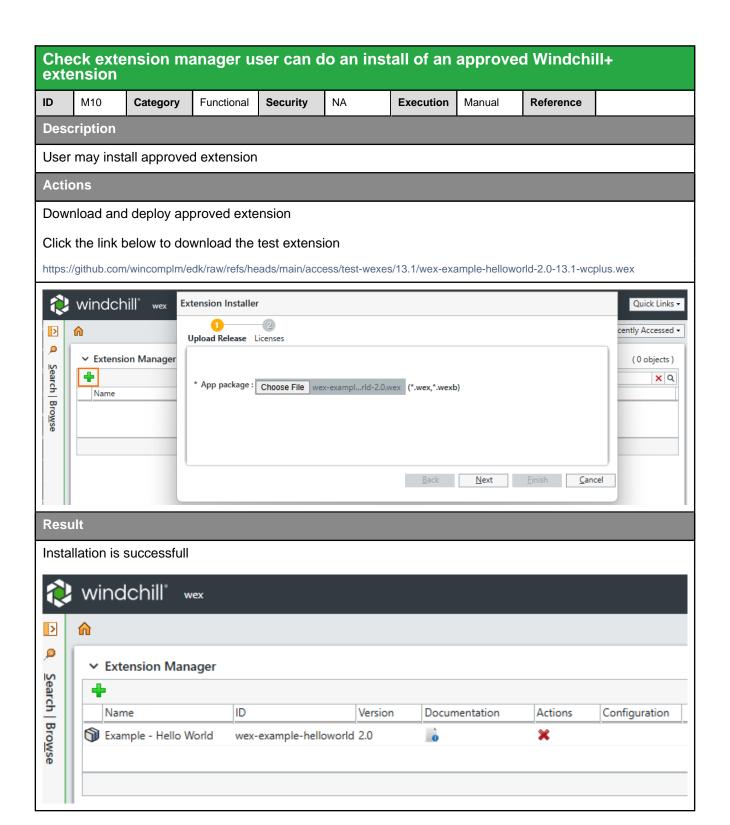


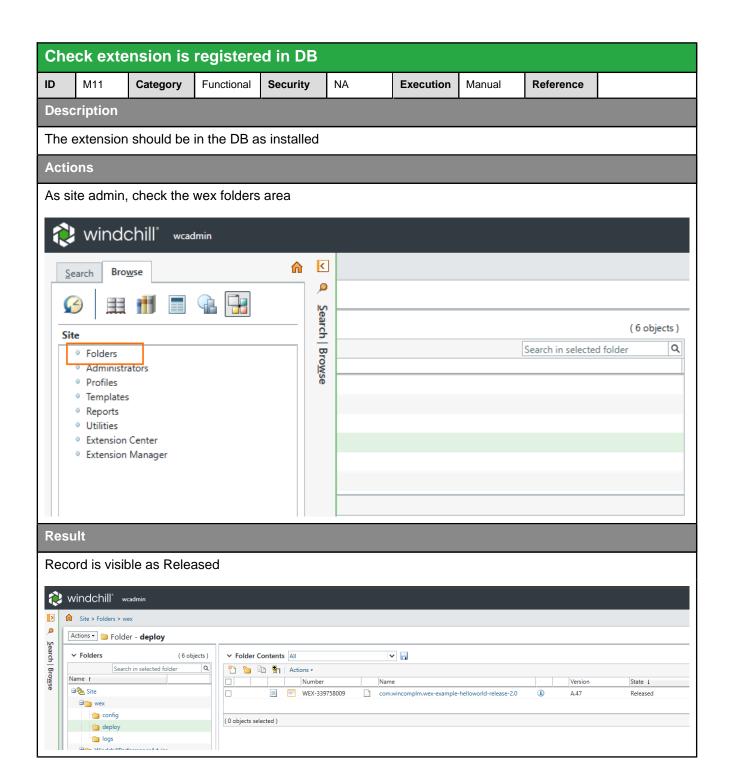


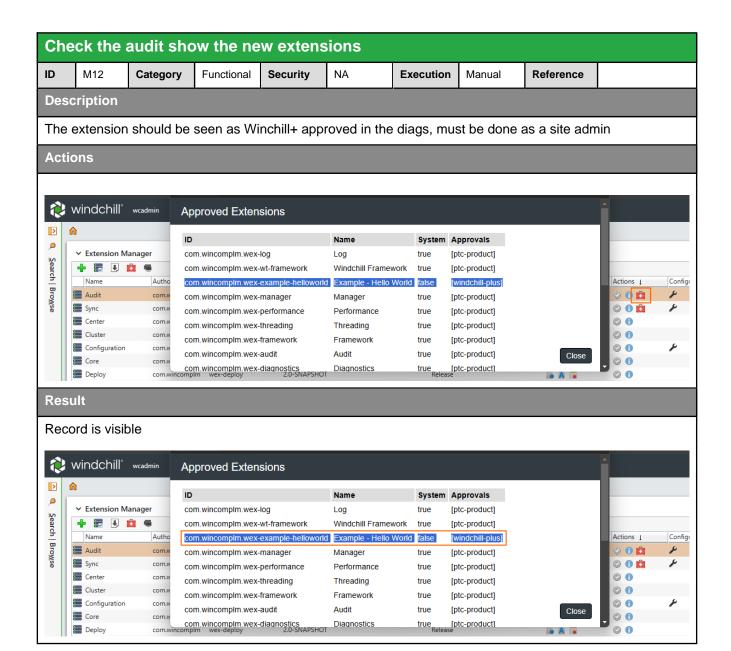


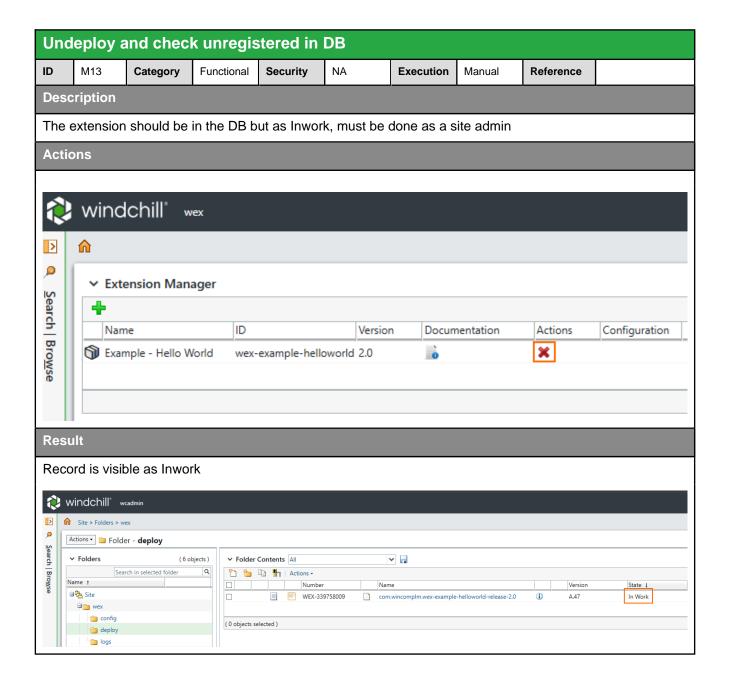


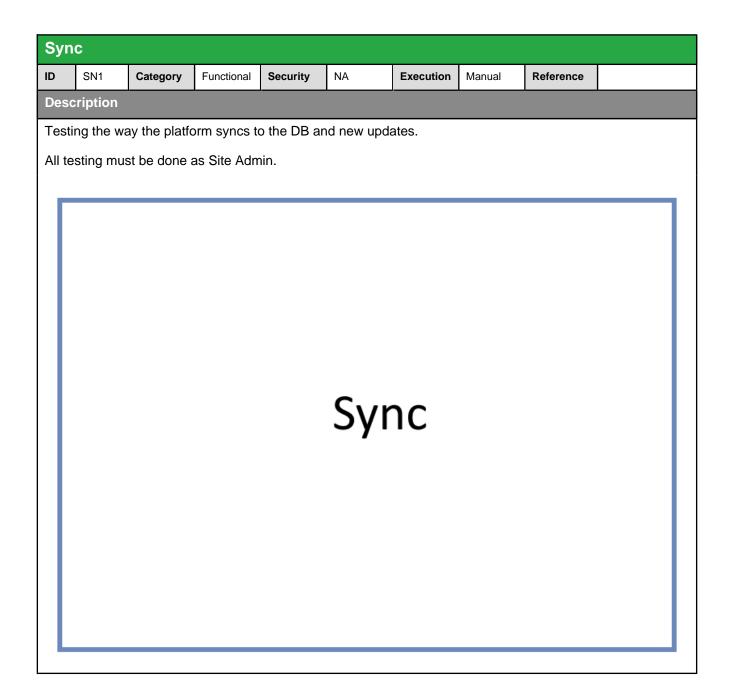




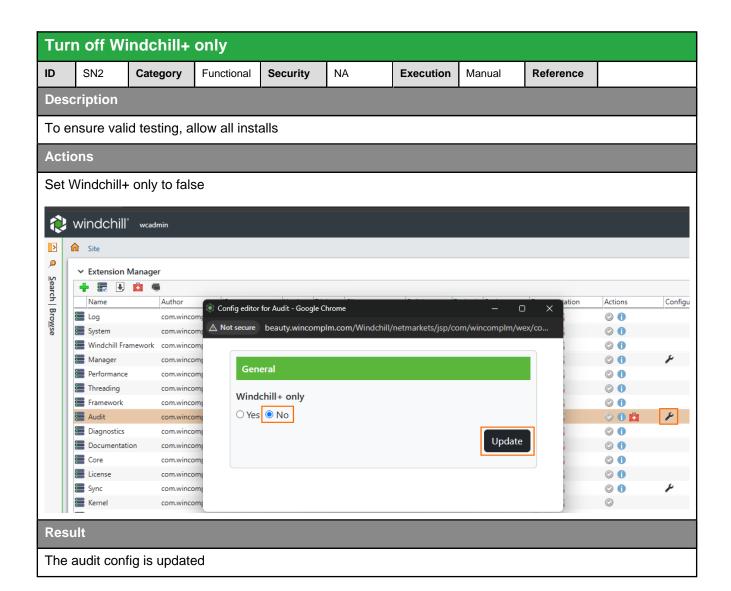




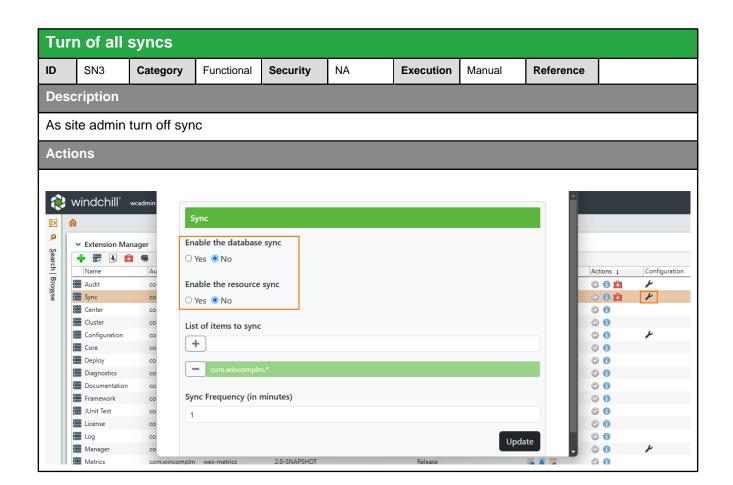




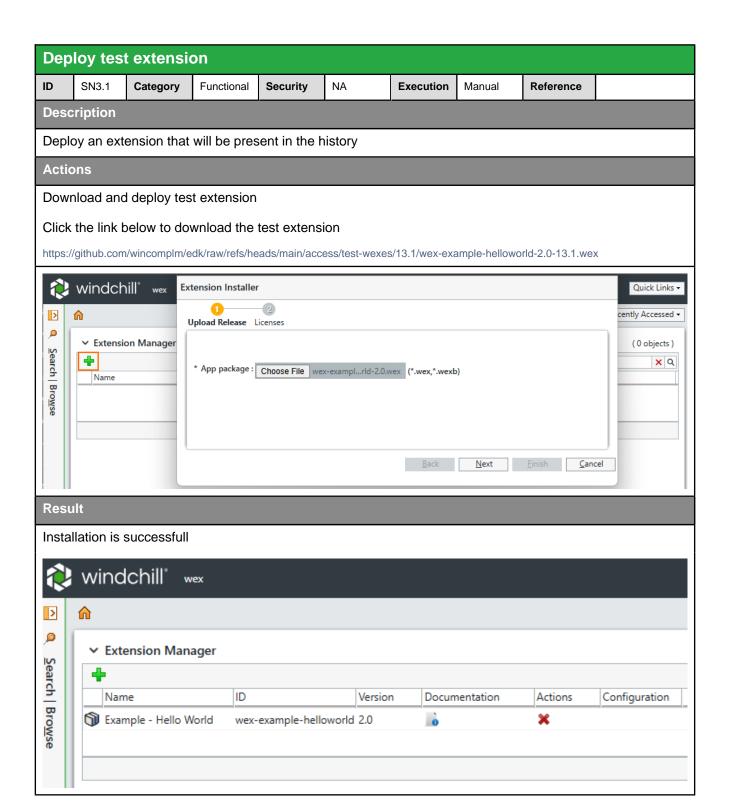


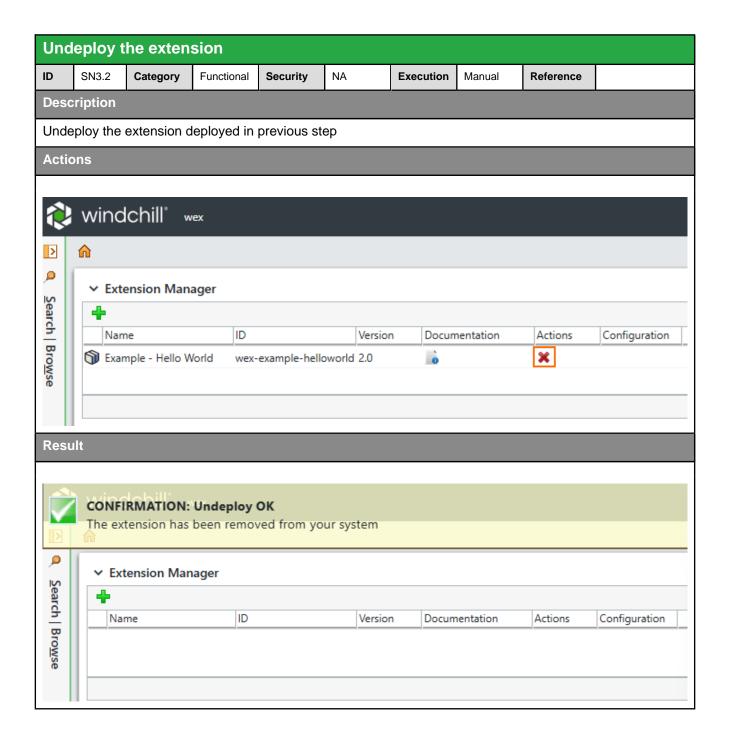


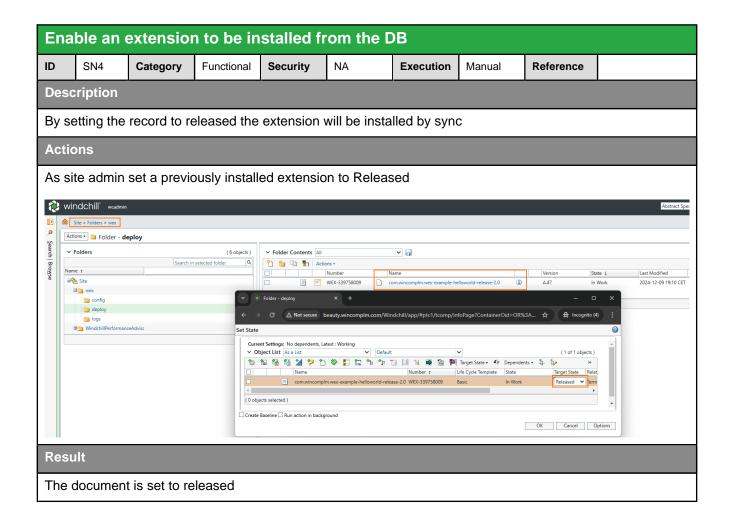
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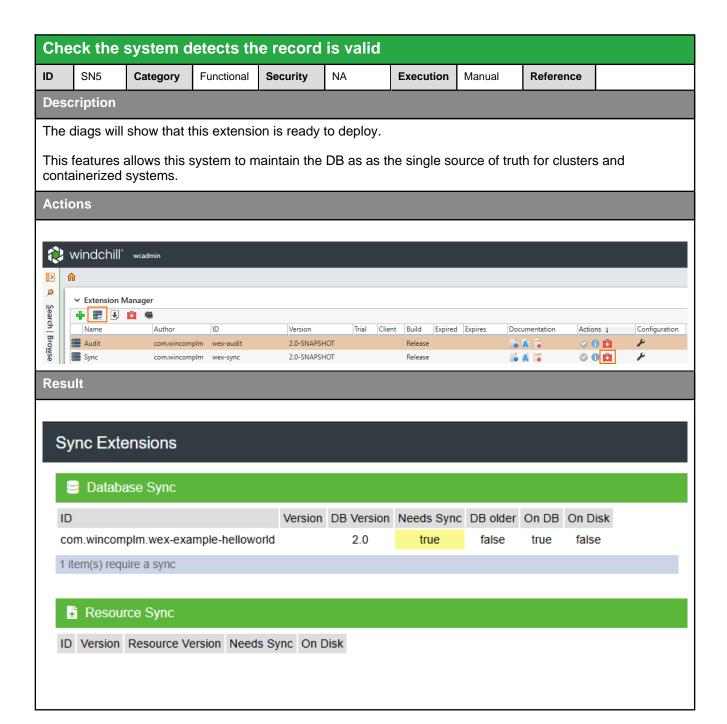


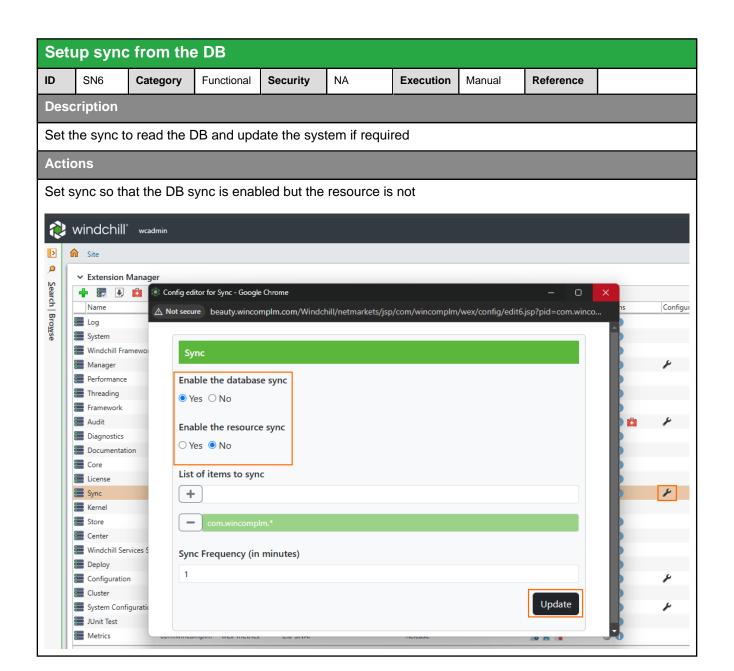




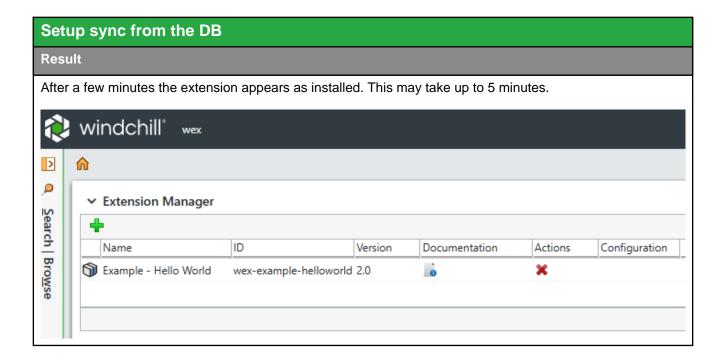


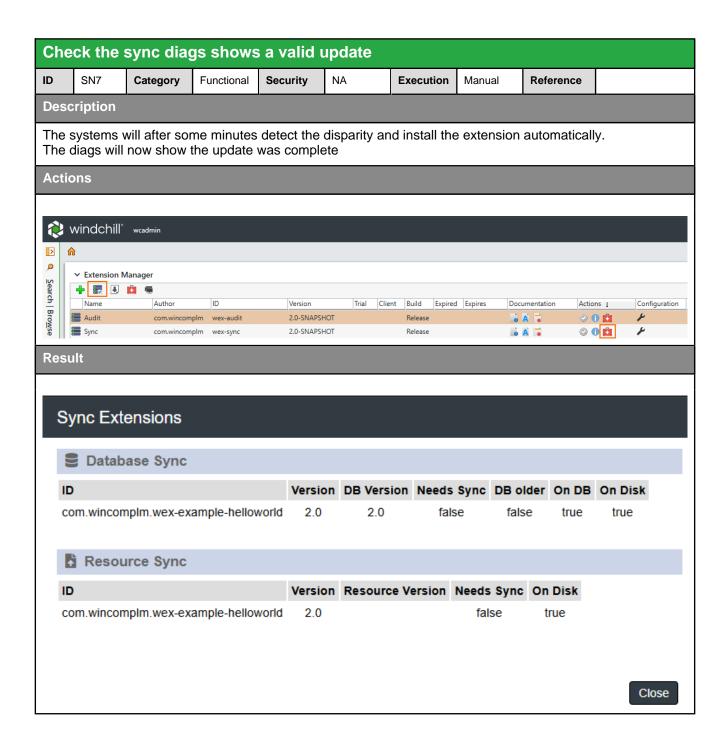


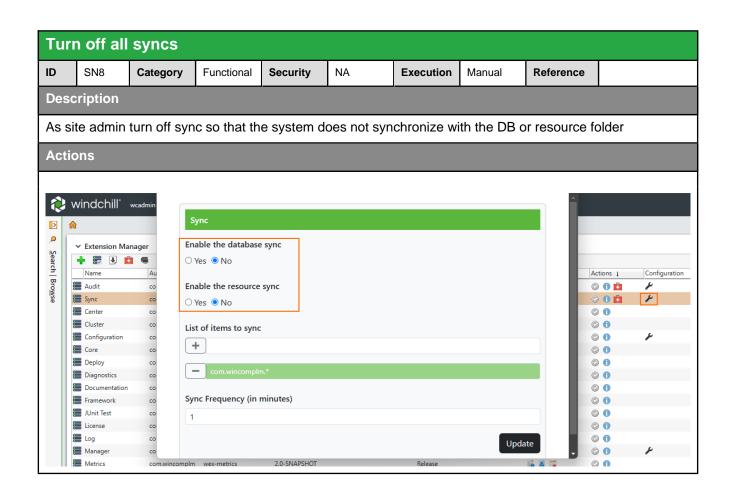




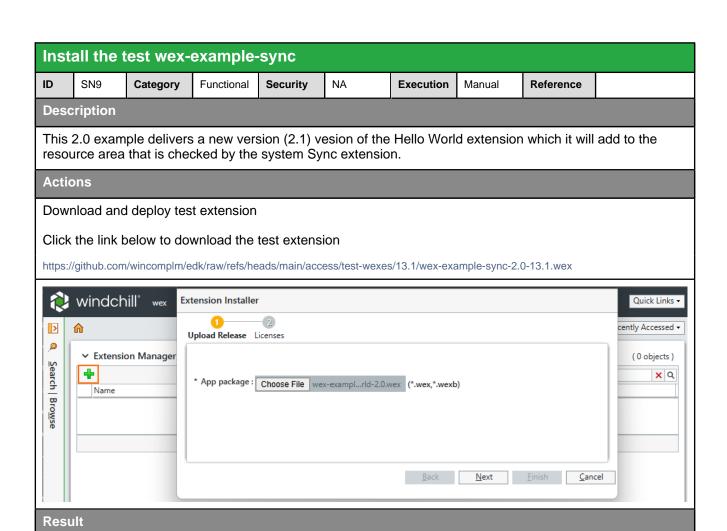




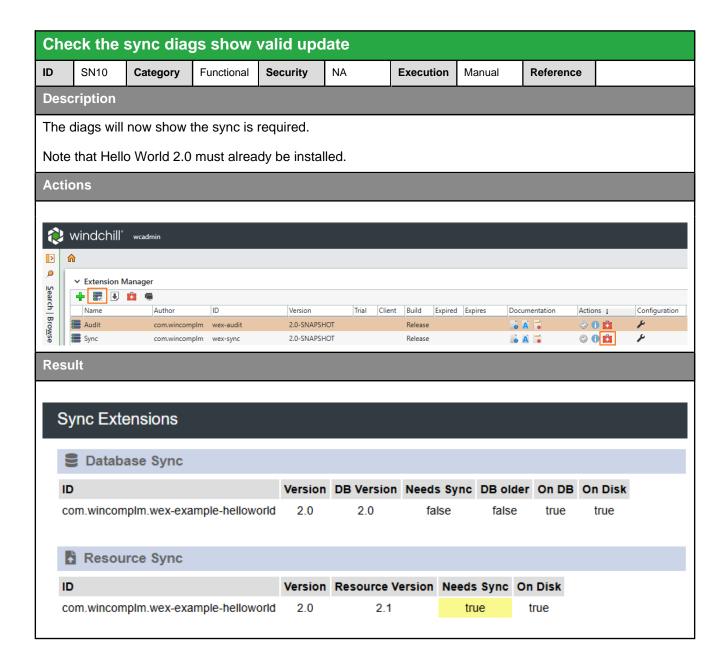




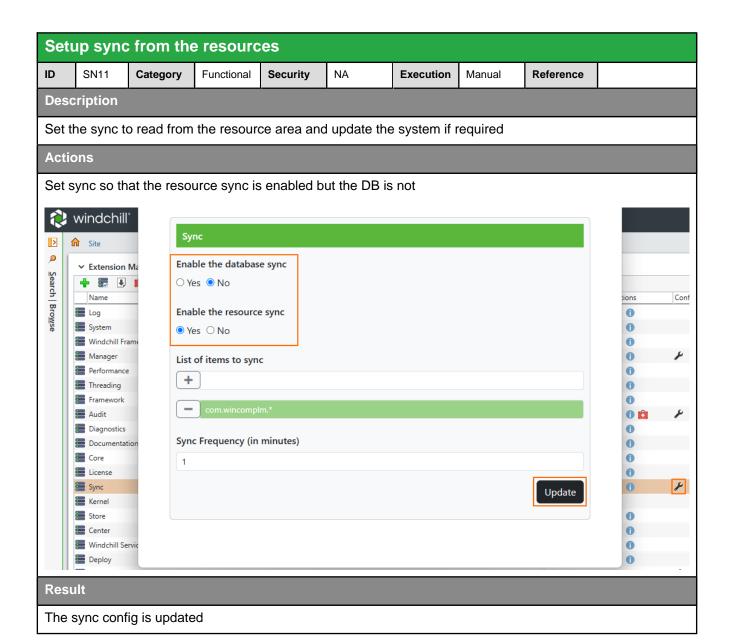


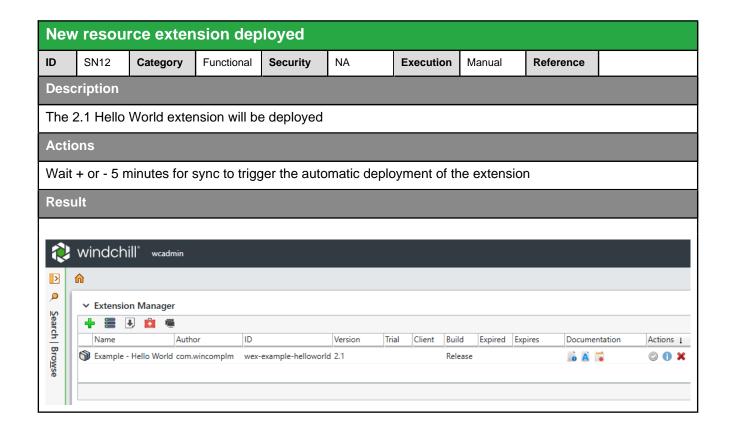


Extension deployed



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Turn off Resource Sync									
ID	SN13	Category	Functional	Security	NA	Execution	Manual	Reference	
Desc	Description								
Turn off the Sync that reads from resource area									
Actions									
Set the sync so that the resource sync is disabled and the DB is also disabled									
Result									
The s	The sync config is updated								



Und	Undeploy all test Extensions									
ID	SN14	Category	Functional	Security	NA	Execution	Manual	Reference		
Desc	Description									
Ensuring that all extensions used for Sync testing are removed										
Actions										
Undeploy Hello World Example and Sync Example										
Result										
Exter	Extensions are undeployed									



Delete test Extensions from DB										
ID	D SN15 Category Functional Security NA Execution Manual Reference									
Description										
Ensuring that all extensions used are deleted from the DB										
Actions										
Go to Browse > Site > Folders > wex > deploy, delete all objects in this folder										
Result										
Extensions are removed from DB										



Turn on Resource and DB Sync, as well as Audit									
ID	SN16	Category	Functional Security NA Execution Manual Reference						
Description									
Ensuring the sync and audit settings are on									
Actions									
Set the Audit configuration to yes, and set the resource and DB sync for wex-sync									
Result									
Configuration is updated for both									



Turn off Windchill Servers & Set Windchill+ to be default

ID SN17 Category Functional Security NA Execution Manual Reference

Description

Turn off the servers, set the WEX_WCPLUS environment variable to ensure WC plus is preset

Actions

Set the WEX_WCPLUS variable to true

USEKDOMAIN=AZUreAD

USERDOMAIN_ROAMINGPROFILE=AzureAD

USERNAME=SimonHeath

USERPROFILE=C:\Users\SimonHeath

WEX_WCPLUS=true

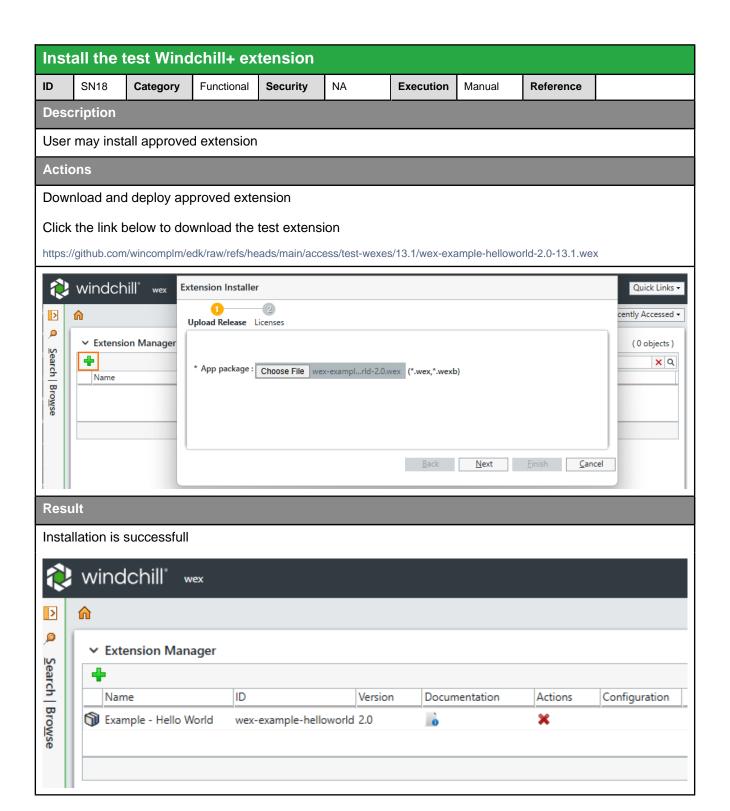
windir=C:\Windows

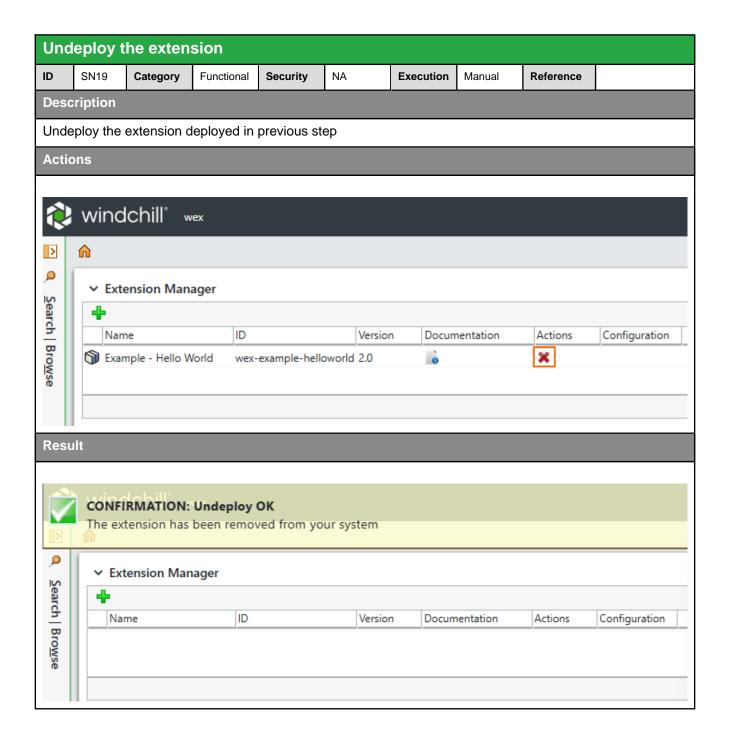
WT_HOME=C:\ptc\Windchill_13.0\Windchill

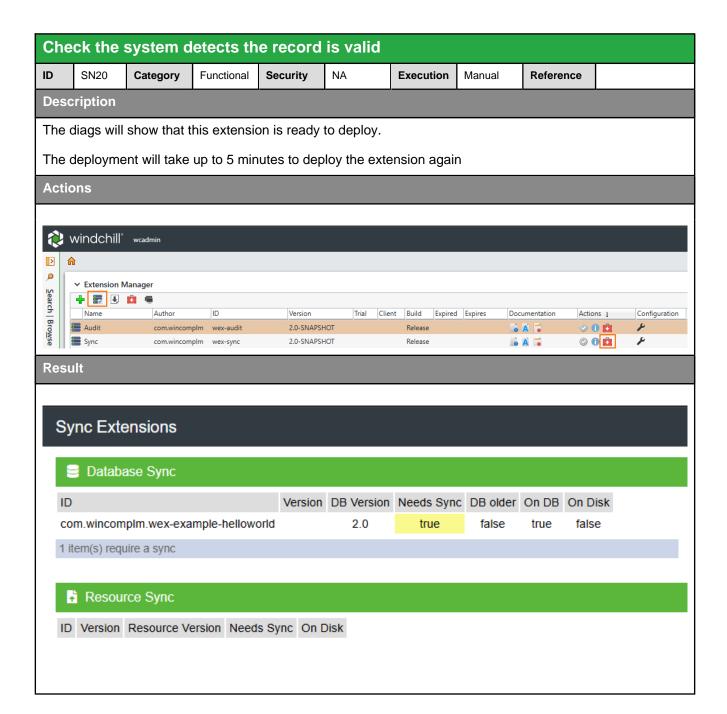
ZES_ENABLE_SYSMAN=1

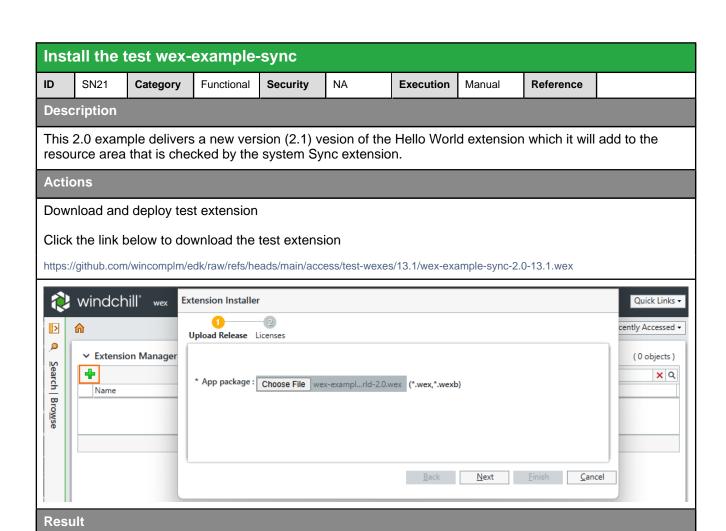
Result

Environment Variable is created

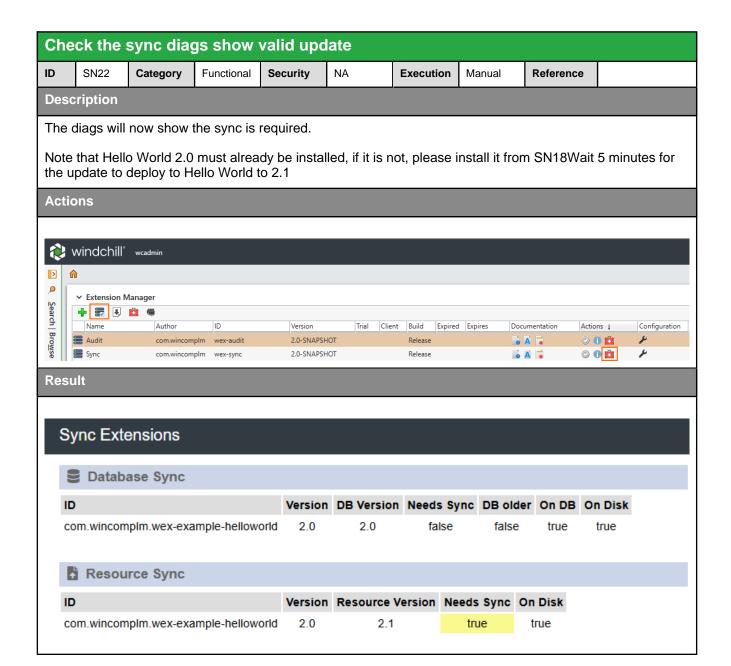


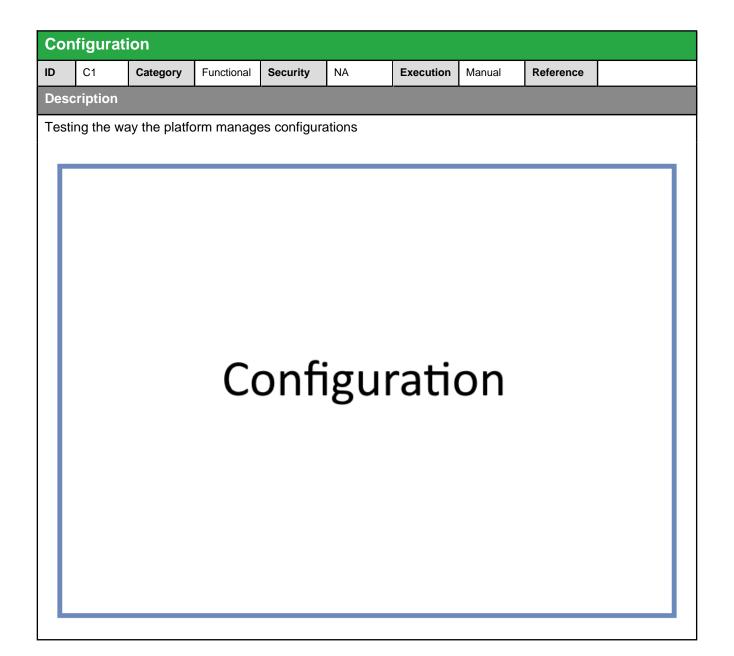




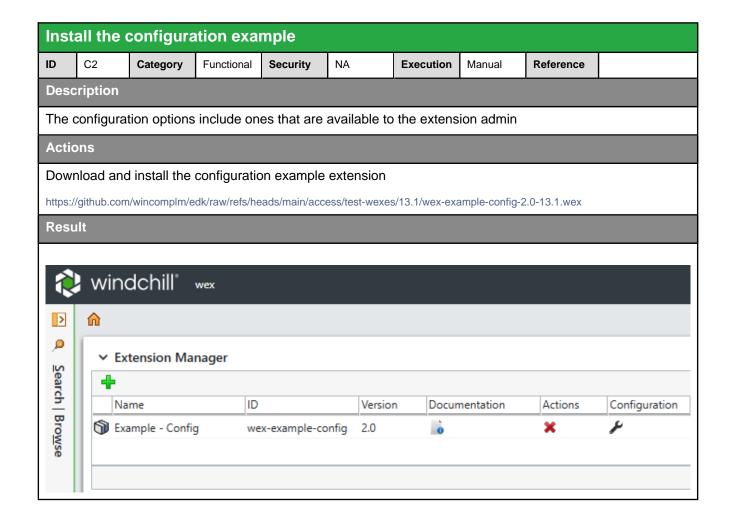


Extension deployed











Check the security report of the example shows the correct information

 ID
 C3
 Category
 Functional
 Security
 NA
 Execution
 Manual
 Reference

Description

The security reports will show which options are made visible to the Extension Admins

Actions

No action, this is for information only

Result

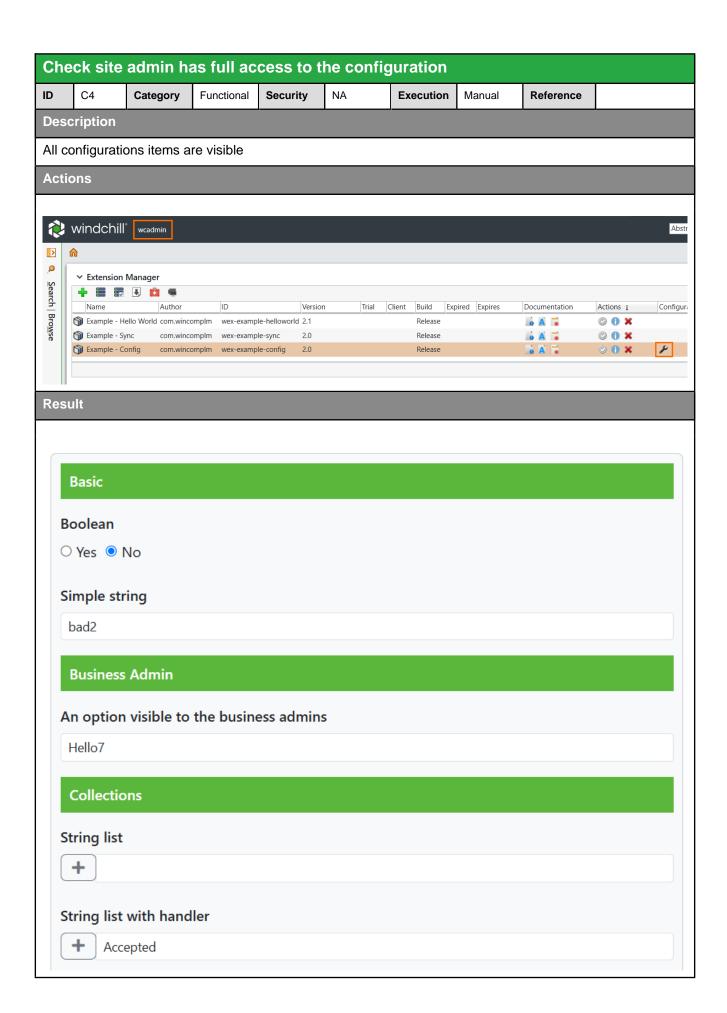
Configuration

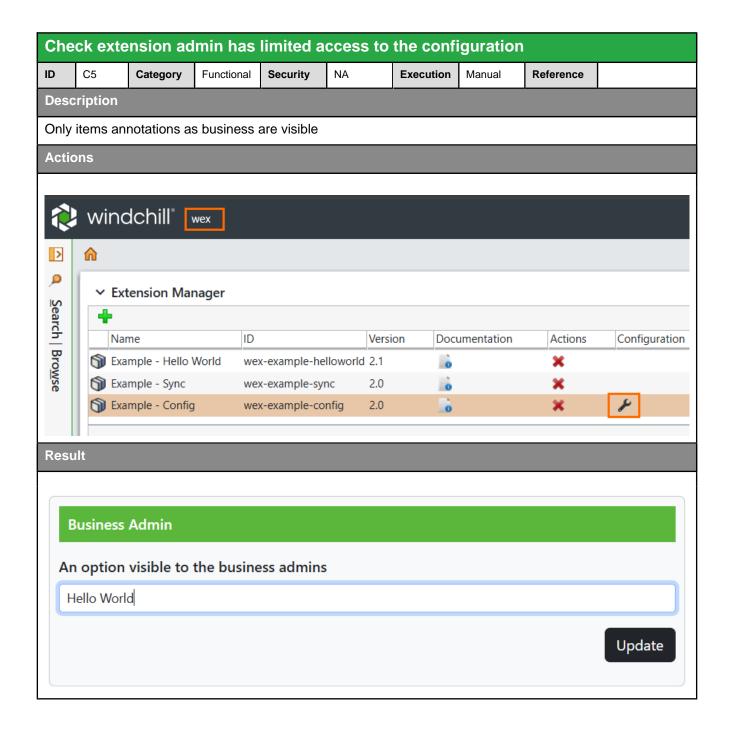
The configuration options for both Site Admin and Extension Business Configuration

Business Manager Options								
Category	Name	Туре	Description	Required				
Business Admin	businessString	String	An option visible to the business admins	false				

Admin Options								
Category Name		Туре	Description	Required				
Basic	exampleString	String	Simple string	false				
Basic	exampleBoolean	boolean	Boolean	false				
Collections	exampleList	List	String list	false				
Collections	exampleMap	Мар	String map	false				
Collections	exampleStateList	List	String list with handler	false				
Security	examplePassword	String	Password	false				

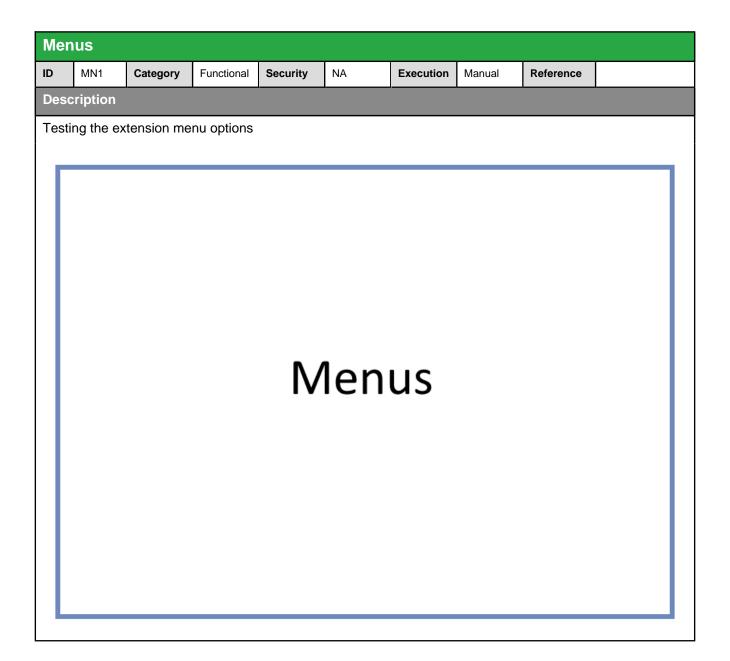




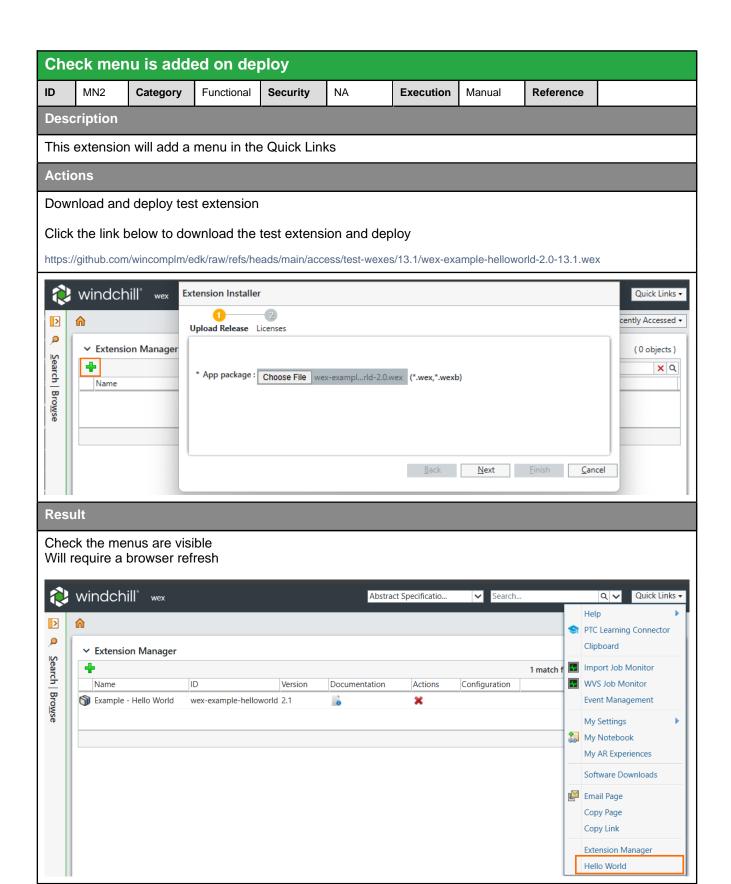


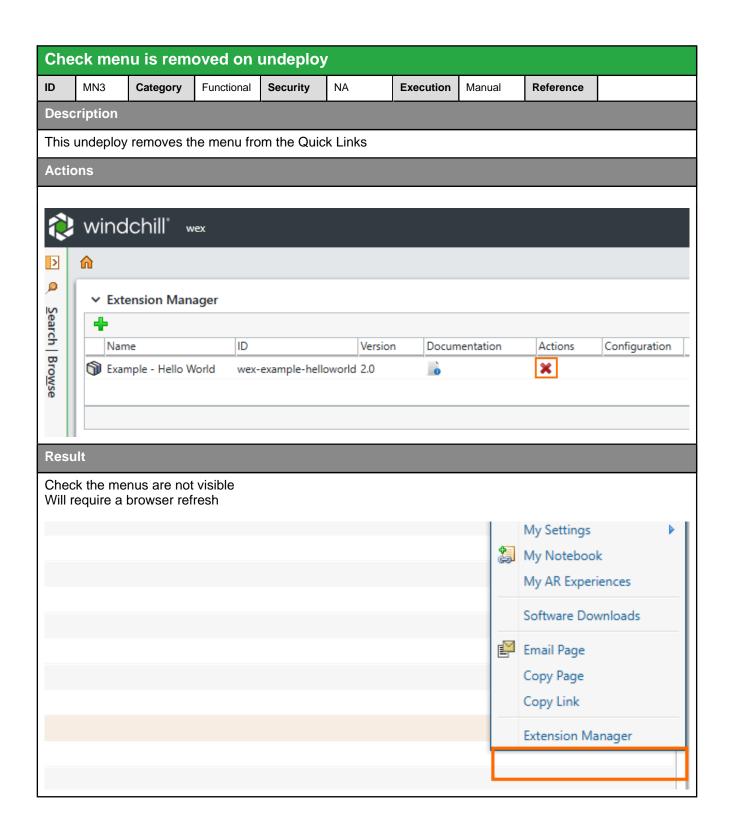
Check configuration can be changed ID C6 Category Functional NA Security Execution Manual Reference Description Ensure configuration is updated for an Extension Actions Show System Extensions, go to Audit and change the configurationAfter updating check Method Server for any errors Result Configuration for Audit should be changed and saved



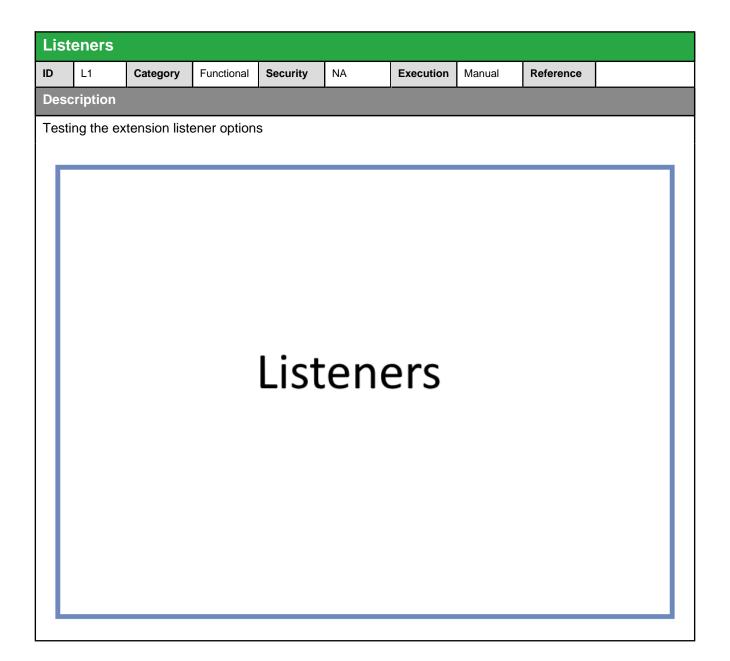


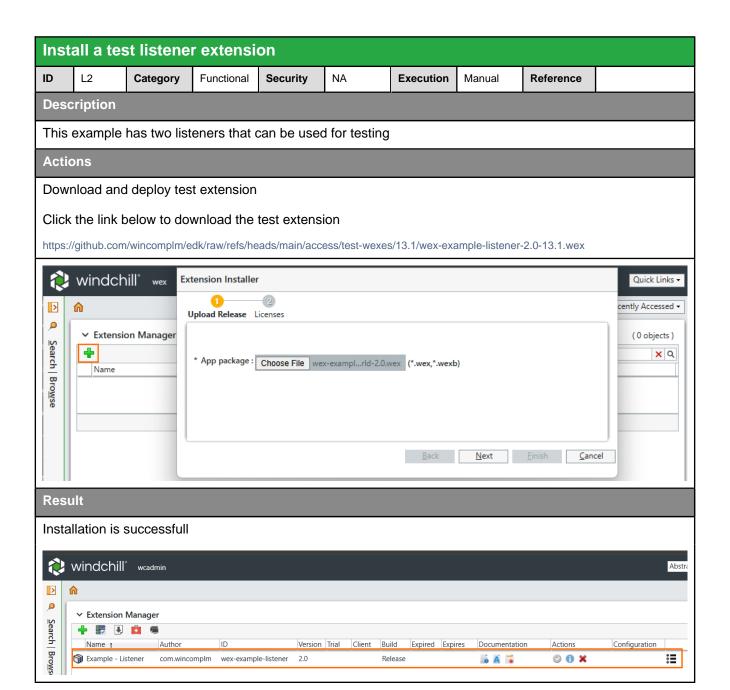


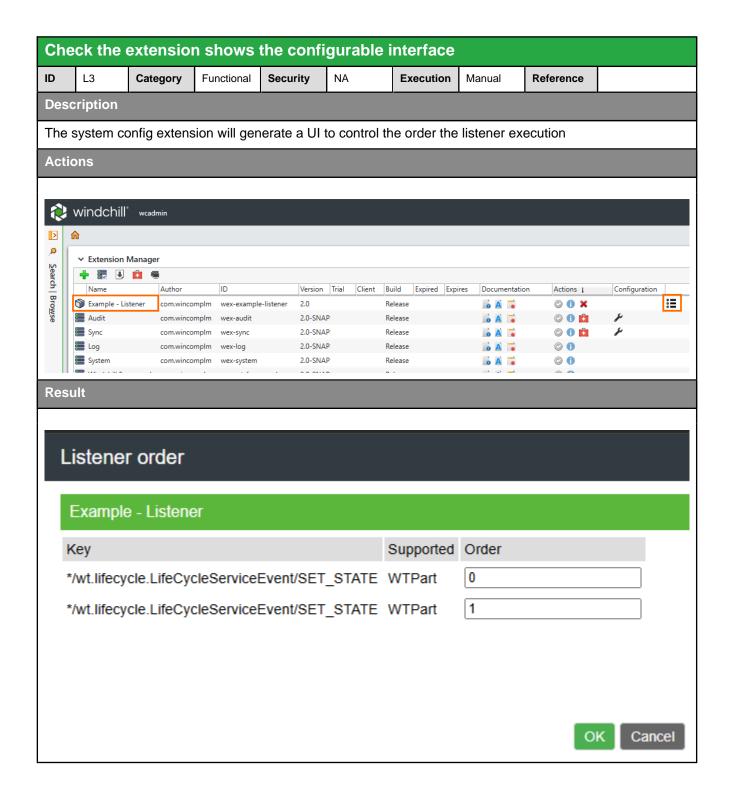


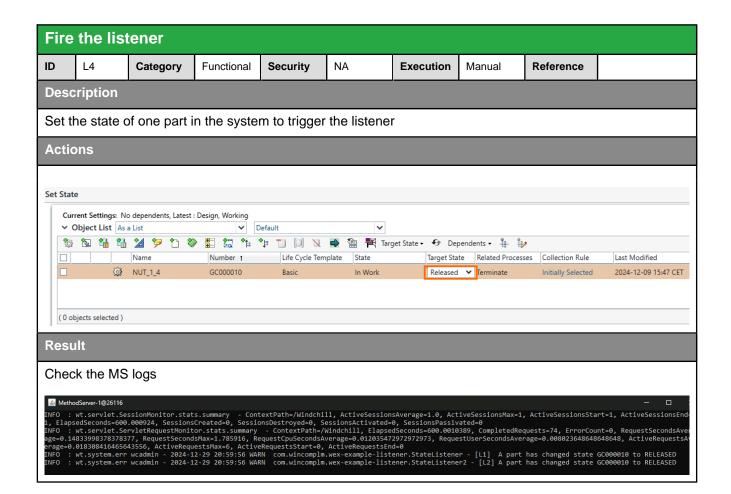




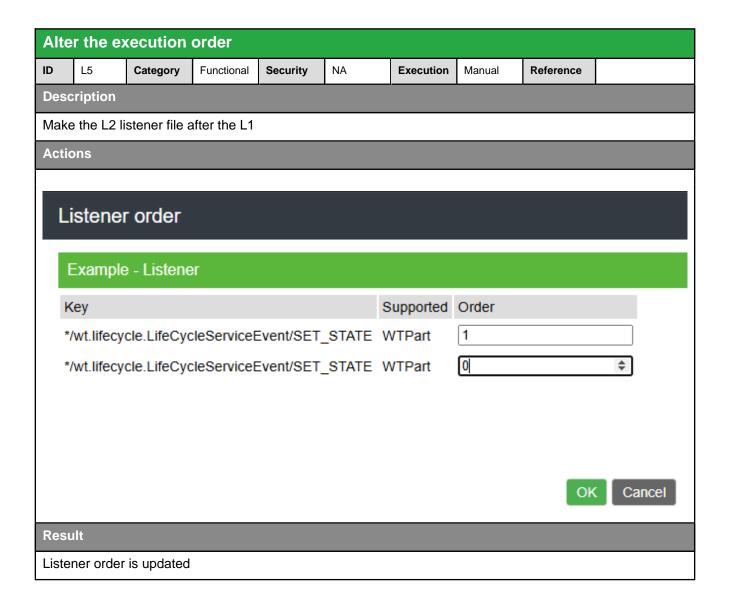


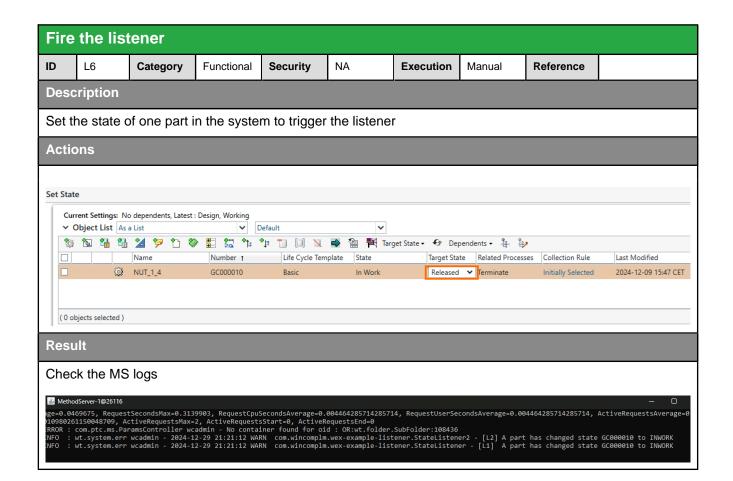




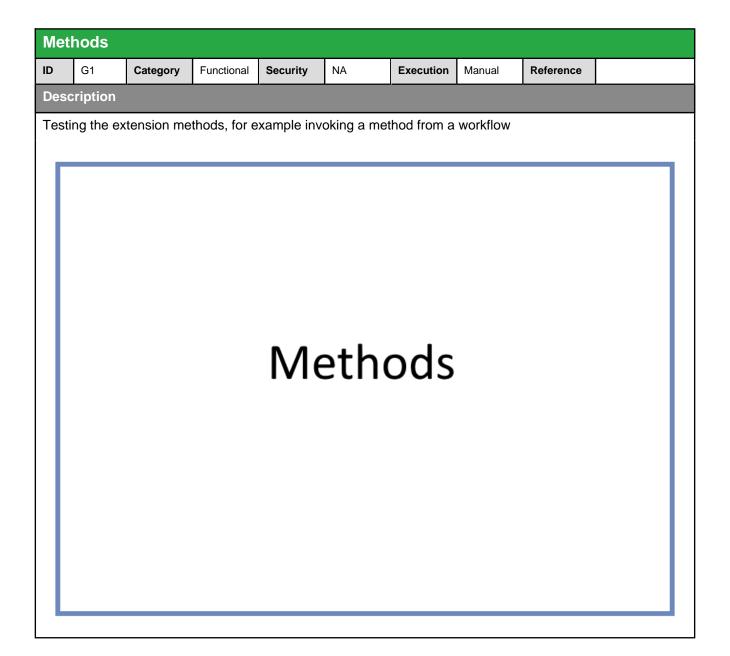




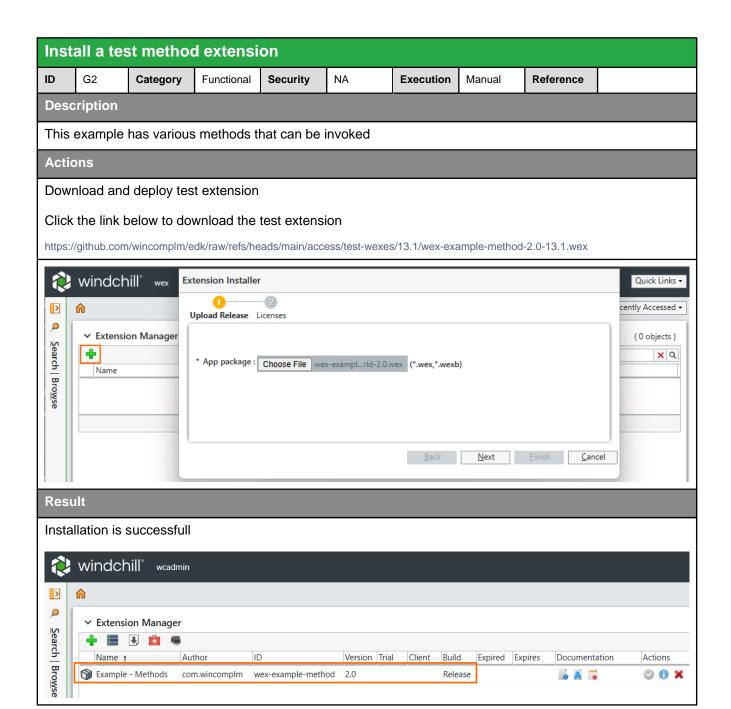


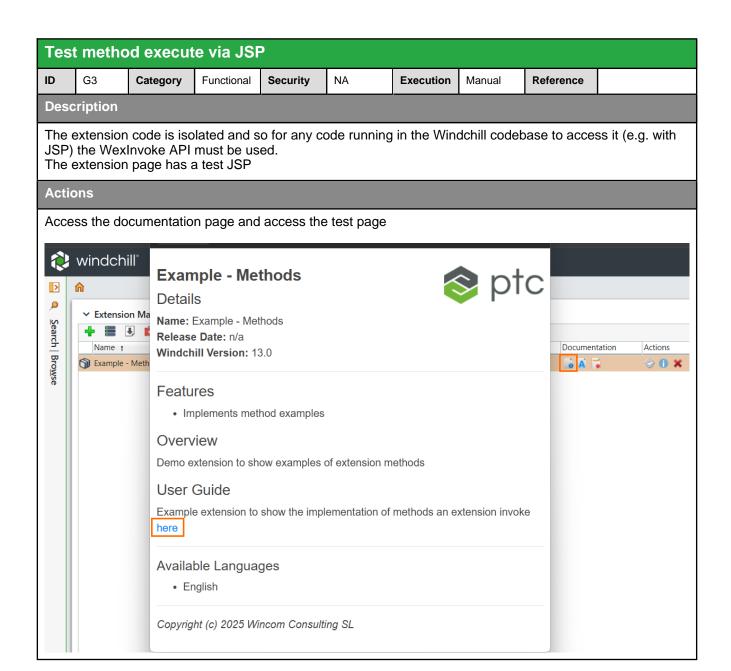














Test method execute via JSP

Result

Page loads successfully

Sample method examples

Simple call Hello there!

Call with argument Hello Bob!

Windchill user name wcadmin



