BUILDING SCADAGEN WHMI PACKAGE

Follow-up of the evolutions

LOG OF CHANGES			
Revision	**Date**	**Author**	**Modification**
001	2/10/2017	Steven YAU	Creation
002	5/22/2017	Steven YAU	Update in Word format
003	6/16/2017	Steven YAU	Added the GIT CCOMMIT as a checkout point
004	8/11/2017	Steven YAU	Added F03, F10 components. Change the Build Step according to the Build Scripts upgrade.

APPROVAL				
	Name	**Role**	**Date**	**Signature**
Written by	Steven YAU	SE		

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Verified by	Thomas YUEN	WPM		
Approved by	Wayne NG	SwARC		
Approved by the customer if necessary				

BUILD SCADAGEN WHMI PACKAGE

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BUILD SCADAGEN WHMI PACKAGE

OVERVIEW

This document will explain how to Build and Package the SCADAgen WHMI from Source Control to Output Folder.

COMPONENTS

SCADAgen WHMI Components included in this document:

- E01
- E02
- E03
- F01
- F02
- P01
- F10

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FOLDER STRUCTURE

Name			Description
Build.SCADAgen			
	\cots\m2		Maven Repo
	\cots\node_modules		Node Repo
	\cots\softs.x86_64		
		\apache-maven-3.3.9	Maven
		\apache-tomcat-8.0.30-x86_64	Tomcat
		\doxygen	Doxygen
		\Git	GIT
		\jdk1.7.0_79_x86_64	JDK
		\node-v6.11.0-win-x64	Node
		\node-v8.1.3-win-x64	Node
		\PortableApps\7-ZipPortable	7Zip for packing
	\whmi		Source folder managed by Source Control
		\...	Source and Folder inside the source control…
		\tools	Build and Export Scripts
	\whmi_build_scripts		Source Control Scripts
Build.SCADAgen.depot			Official Release Workspace
Build.SCADAgen.output			Output Workspace for the Script

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BUILD WHMI WITH SINGLE STEP

Build

PROCEDURE

1. Get the GIT "tag" or "commit" or "branch" from the SCADAgen WHMI VDD

2. Launch the batch and change the directory to the *Build.SCADAgen\whmi_build_scripts*

3. Type following command:

> *./build_whmi_rename_clone_checkout_and_build.bat [GIT TAG/*COMMIT/BRANCH*]*

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BUILD WHMI STEP BY STEP

1. Clean up
2. Clone and Checkout
3. Build Procedure

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SOURCE CONTROL

Clean up

PROCEDURE

4. Get the GIT "tag" or "branch" from the SCADAgen WHMI VDD

5. Remove exists (if exists) WHMI GIT repositories at: *Build.SCADAgen\whmi*

Clone and Checkout

PROCEDURE

1. Launch the git-bash.exe and change the directory to the *Build.SCADAgen\whmi_build_scripts*

2. Type following command:

```
./git_clone_checkout_whmi.sh [GIT TAG/ COMMIT]
```

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BUILD PACKAGE

Override

Following building procedure will build and export following components:

- E02

- E03

- F01

- F02

- P01

- F10

Build Procedure

PROCEDURE

1. Remove exists (if exists) WHMI output folder at: *Build.SCADAgen.output*\[GIT TAG/BRANCH].

2. Launch the Windows batch console and change the working dir to the: Build.SCADAge\whmi\tools

3. Type following command:

   Build.whmi.export.bat [GIT TAG/ COMMIT]

Build Logs Checking

PROCEDURE

1. Check the logs in the *Build.SCADAgen.output*\[GIT TAG/COMMIT]*logs* is correct.

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BUILD JAVADOC AND DOXYGEN

Build Procedure

PROCEDURE

1. Launch the Windows batch console and change the working dir to the: Build.SCADAge\whmi\tools

2. Type following command:

   Build.doxygen.whmi.bat [GIT TAG/ COMMIT]

3. Type following command:

   Build.javadoc.bat [GIT TAG/ COMMIT]

Build Logs Checking

PROCEDURE

1. Open the output folder at the Build.SCADAge\whmi\tools

2. Check the logs in the *Build.doxygen.[GIT TAG/COMMIT].log*

3. Check the logs in the *Build.javadoc.[GIT TAG/COMMIT].log*