

This document serves as the installation guide for the HALCoGen-CSP, which contains the following items:

- HALCoGen CSP Documents and Reports
- HALCoGen Test Automation Unit (HALCoGen TAU)

The latest HALCoGen-CSP version can be downloaded from the following URL: http://www.ti.com/tool/safeti-halcogen-csp.

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# **1** Software Prerequisite

- Windows® Windows version 7 or higher
- Code Composer Studio<sup>™</sup> 5.4 (or higher)
- Microsoft Office<sup>™</sup> 2007 (or higher)
- Perl 5.x. Download Link → http://www.perl.org/get.html#win32



#### 2 Steps to Install HALCoGen-CSP

- 1. Select the installer.
  - Run the SafeTI-HALCoGen-CSP\_xx.yy.zz-installer.exe
- 2. Choose the Install components.

Choose the SafeTI-HALCoGen-CSP (see Figure 1).

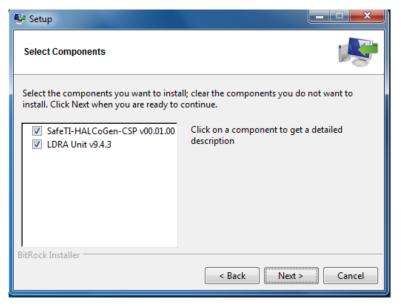


Figure 1. Choose Install Component

3. LDRA UNIT - compiler selection.

Choose Texas Instruments Code Composer v5.0 (Default) (see Figure 2.

LDRAunit-TI-Qual - InstallShield Wizard	×
TI Code Composer Installation Directory	4
Please enter the Drive and path of the TI Code Composer 5.0 installation.	
c:\ti\ccsv5\	
Browse	
InstallShield	
< Back Next > Cano	el

## **Figure 2. Compiler Selection**



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4. LDRA unit – coverage selection.

Leave it as default (see Figure 3).

LDRAunit-TI-Qual - Insta	allShield Wizard
Coverage Selection Please Select Covera	
Coverage:	D0178B 🗸
D0178B/C	Level A (Statement, Branch, MC/DC)
	O Level B (Statement, Branch)
	O Level C (Statement)
Other	Statement Branch MC/DC
	LCSAJ PF Call
Please Note: The ava	ilability of Coverage Metrics will depend upon licensing Options.
These settings can al: item within the Tool So InstallShield	so be modified via the Configure->Dynamic Coverage Report Options menu uite.
	< Back Next > Cancel

Figure 3. Coverage Selection

5. LDRA unit – source code browser selection.

Leave it as default or browse to the desired editor.

LDRAunit-TI-Qual - InstallShield Wizard
Setup Source Code Browser Please configure the Source Code Browser to use
Predefined Source Code Browser
TBbrowse
Other Source Code Browser
C:\Program Files (x86)\LDRA\LDRAunit-TI-Qual_C_CPP_9.4.3\TBI Browse
Command Line Browse at Line Format
C:\Program Files (x86)\LDRA\LDRAunit-TI-Qual_C_CPP_9.4.3 -Start=%d
Install an evaluation copy of TextPad and select as Browser InstallShield
<back next=""> Cancel</back>

Figure 4. Source Code Browser Selection



Steps to Install HALCoGen-CSP

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 LDRA unit – choose TI CCS install path. Default: c:\ti\ccs5\ (see Figure 5). Browse to the latest TI CCS installation folder CCS5 or CCS6.

LDRAunit-TI-Qual - InstallShield Wizard	×
TI Code Composer Installation Directory	4
Please enter the Drive and path of the TI Code Composer 5.0 installation.	
c:\li\ccsv5\	
Browse	
InstallShield < Back Next > Canc	el

Figure 5. Choose TI CCS Install Path

 LDRA unit – project configuration (see Figure 6). Leave it as default to LDRA.

LDRAunit-TI-	-Qual - InstallShield Wizard	×
Project C	Configuration	
Please ei	enter the project configuration ex: DEBUG	
Config	LDRA	
InstallShield –	< Back Next >	Cancel

# Figure 6. Project Configuration

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8. LDRA unit - check LDRA FlexLM server status.

After installation of the LDRA unit and before using HALCoGen TAU, check whether or not the LDRA FlexLM license server is up and running by doing the following steps.

NOTE: The License Configuration Manager must be run as Admin.

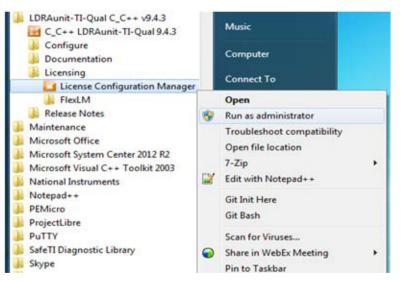


Figure 7. Run License Configuration Manager as Admin

	Licence Status - LDRA Licencing is now Complete	
Summary	Control File Status	
0	FlexLM Server Status	
Control File	System Requirements	
-	LDRA requires a minimum Virtual Memory allocation of 1800MB.	
•	Current Virtual Memory Allocation - 6GB 🗸	
FlexLM	Customer Information	
@	Company LDRAunit-TI Quick Start License	
Contact LDRA	Company ID	
	Purchase Type TEMP	
0	Vendor Texas Instruments	
Environment	Support Contact support@ldra.com	
NUMBER OF STREET	Installation Guide	

Figure 8. LDRA License Configuration

**NOTE:** IF you see the FlexLM Server Status as *X*, either the License is expired or the FlexLM service is not started. Restart or start the FlexLM License Service in the Windows as shown in Figure 9.

Summary Control File Control File Services File Action View H Control File Services (Local)	ence Status ntrol File Status xLM Server Status team Dequirements Help Proces (Local) Services (Local) Exercices (Local) Exercices (Local)	Cannot connect to Lic	ence server	I	nstall/Modify	×
Services File Action View H File Action View H File Services (Local) File Second	Help  Help  Services (Local)	Name				×
Carlos Ca	Services (Local)	Name				
Services (Local)	Correct (Local)	Name				
FLEX Stop Rent Desc		Name				
<u>Stop</u> Rest	Xnet Licensing Service	Name				
Resta Desc This			÷	Status	Startup Type	~
This	on the service start the service		overy Resource Pu overy Provider Host		Automatic Manual	_
	scription: is service performs licensing functions on behalf of Cinet enabled products.	FLEXnet Lice Fax Extensible Au		ctdad	Manual Manual Manual	•
L Ev	xtended / Standard /	•	Resume			F
	EXnet Licensing Service on Local Co	mputer	Restart			_
			All Tasks	•		
			Refresh			
			Properties			
			Help			

Figure 9. Start or Restart FlexLM Server Status



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# **Revision History**

## NOTE: Page numbers for previous revisions may differ from page numbers in the current version.

### Changes from A Revision (May 2019) to B Revision

<ul> <li>Removed "SafeTI" and added back LDRA contents (this is now the document for LDRA CSP).</li> </ul>
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