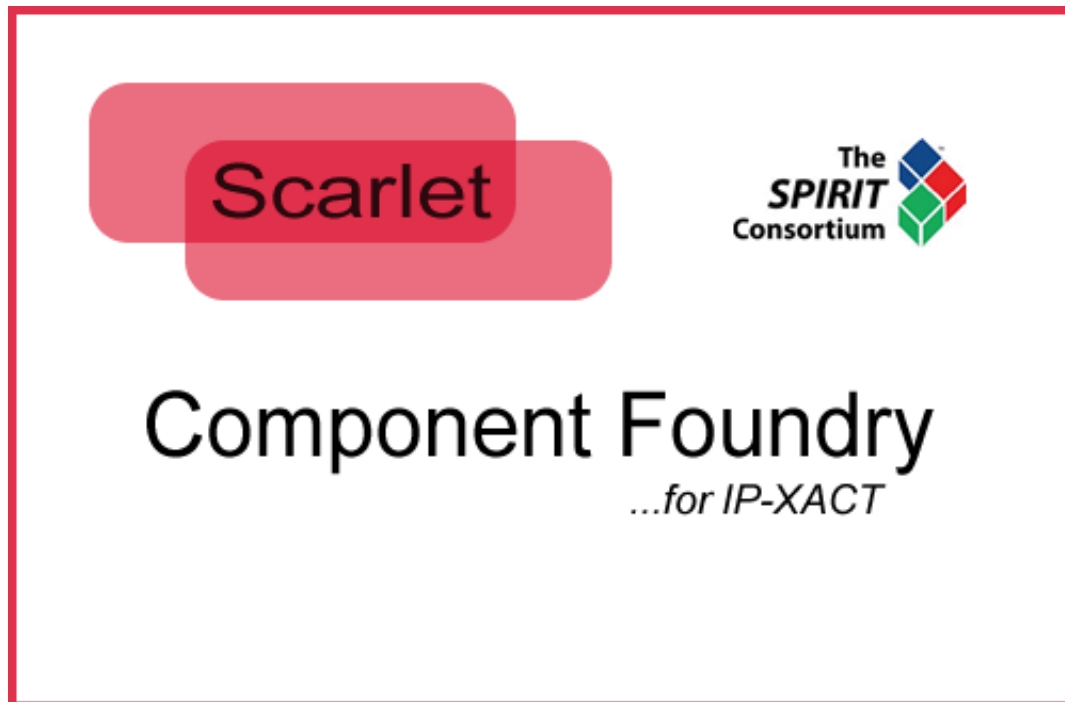

Scarlet Code IP-XACT Delta™ Quick User Guide



Documentation Reference: QUG-103
Revision: 1.0
Publication Date: December 07

Copyright

© Copyright Scarlet Code Ltd 2007. All rights reserved.

Notice

Neither the whole nor any part of this document may be adapted or reproduced in any material form except with the prior written permission of the copyright holder.

This document is intended only to assist the reader in the use of the product(s) it relates to. Scarlet Code Ltd shall not be liable for any loss or damage arising from the use of any information in this document, or for any error or omission in such information, or for any incorrect use of the product(s).

Trademarks

Words and logos marked with ® or ™ are registered trademarks or trademarks owned by Scarlet Code Ltd, except as otherwise stated below in this proprietary notice. Other brands and names mentioned herein may be the trademarks of their respective owners.

Web address

<http://www.scarletcode.co.uk>

Publication History

Revision	Date	Comment
1.0	December 07	Initial version

Contents

1. About this document.....	4
1.1 Features.....	4
1.2 Prerequisites.....	4
1.3 Creating an Example Project	5
1.4 Starting IP-XACT Delta	5
1.5 IP-XACT Differences View	6
1.5.1 Difference Highlighting	7
1.5.2 Navigating the differences.....	8
1.5.3 Difference Details.....	8

1. About this document

IP-XACT Delta™ is a tool, integrated into Scarlet Code Component Foundry, and is used for comparing two IP-XACT files. The tool shows where the two files are logically different.

1.1 Features

Features of the Scarlet Code IP-XACT Delta include:

- ❖ Logical, not text-based, comparison
- ❖ Elements don't need to be in same order to match
- ❖ Sensible match when case has changed
- ❖ XML formatting is not important
- ❖ Previous/Next navigation of deltas
- ❖ Summary page of differences
- ❖ Automatic update of deltas if a compared is file rewritten

1.2 Prerequisites

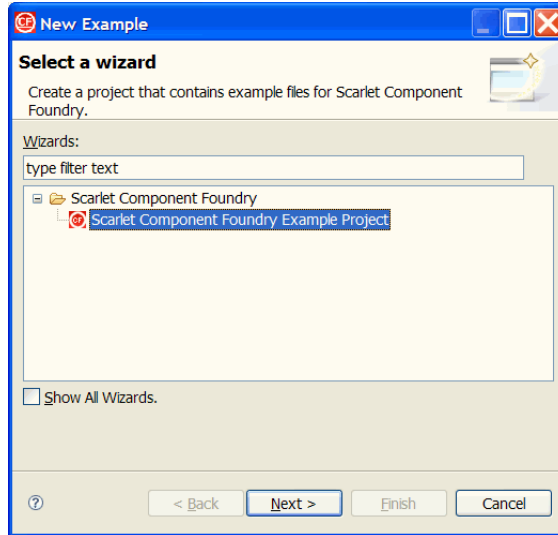
Scarlet Code IP-XACT Delta is available in Scarlet Code Component Foundry version 1.2.0 or higher. This document assumes that a licensed copy of a suitable version of Scarlet Code Component Foundry is installed.

Some understanding of the IP-XACT version 1.2 specifications is required to interpret the file view and differences presented by IP-XACT Delta. It is recommended that you download the SPIRIT Consortium's public release documentation for the IP-XACT version 1.2 release. This is available from <http://www.spiritconsortium.org/tech/docs/>.

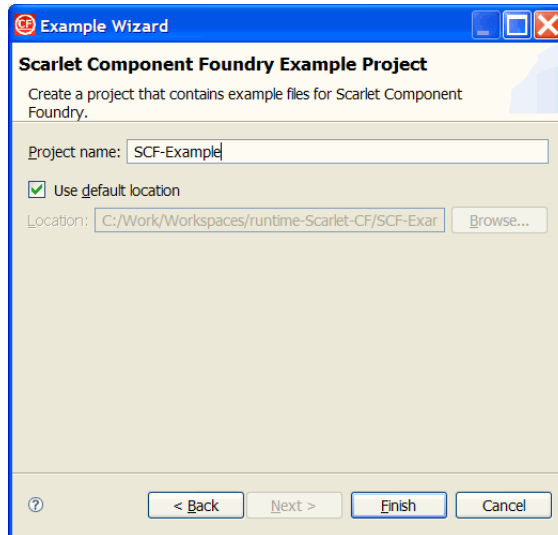
The file you require is `IP-XACT_V1.2_Public_release.zip`.

1.3 Creating an Example Project

If you wish to try out IP-XACT Delta, but do not have any IP-XACT files to hand, you can create a project containing sample IP-XACT files. To do this select, *File – New – Example...* and then select *Scarlet Component Foundry Example Project* in the *New Example* wizard.



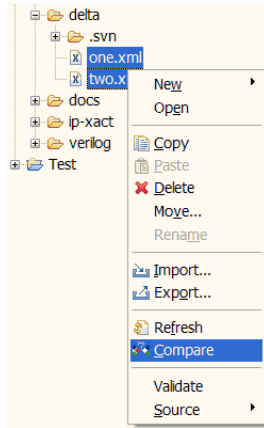
Select *Next*, then enter or accept the *Project name* and select *Finish*.



The new project will be created in your workspace.

1.4 Starting IP-XACT Delta

The IP-XACT Delta tool may be started by right-clicking on an IP-XACT file, either in the *Navigator* or the *Library* views, and selecting the menu item *Compare*.



If only one IP-XACT file is selected, the *IP-XACT Differences* view will be shown, and a file browser will be displayed for you to select the second IP-XACT file. The differences will be determined once you have selected the second file.

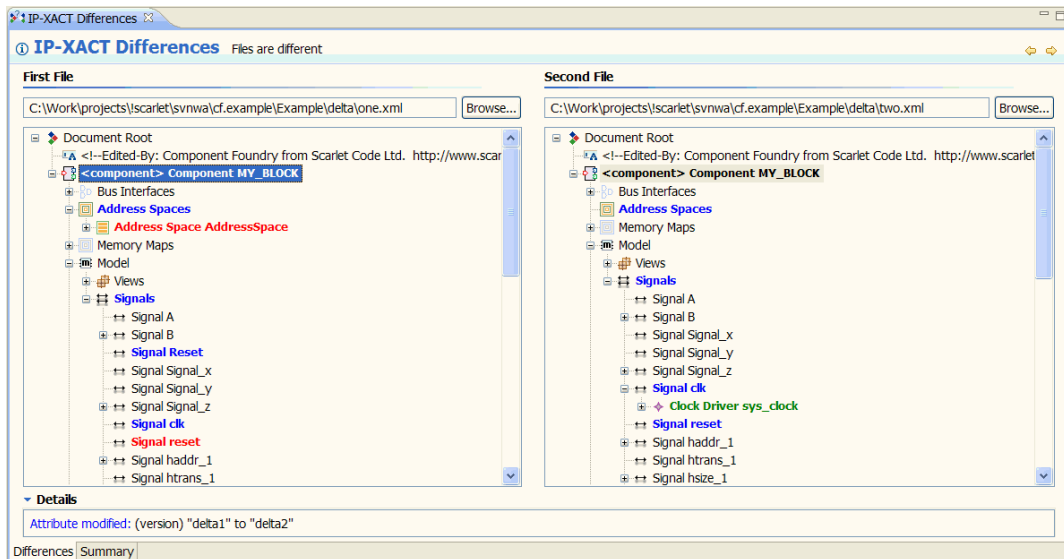
If you select two IP-XACT files, the *IP-XACT Differences* view will be shown, and the differences will be determined immediately.

Once the *IP-XACT Differences* view has been shown, you may change either the left or the right file by dragging and dropping the new file onto the appropriate tree in the view.

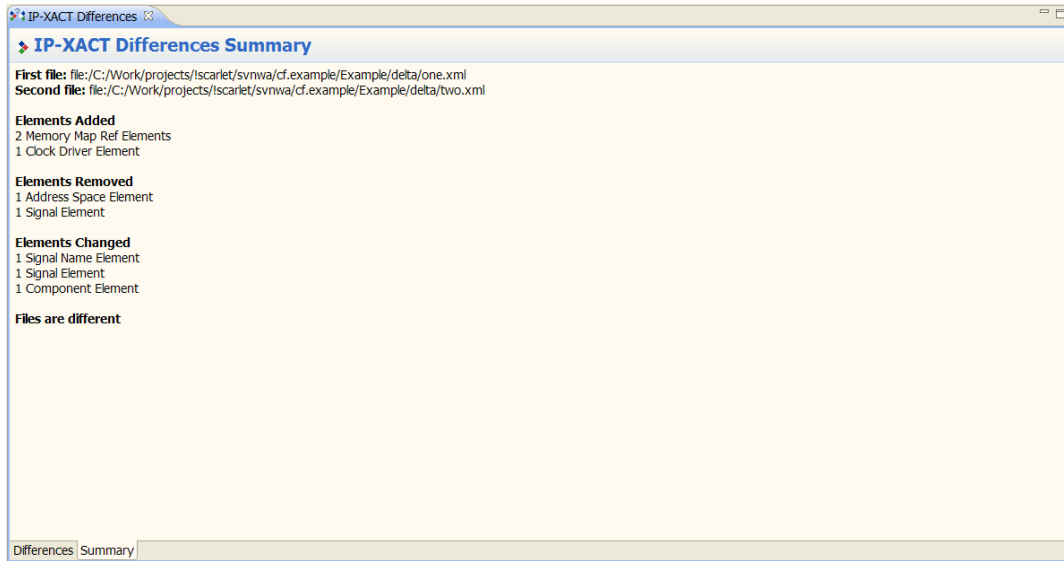
1.5 IP-XACT Differences View

The *IP-XACT Differences* view comprises two pages: *Differences* and *Summary*.

The *Differences* page is divided into three principal sections: a first (left) file tree, a second (right) file tree and *Details*.



The *Summary* page contains a simple report of the file differences.




1.5.1 Difference Highlighting

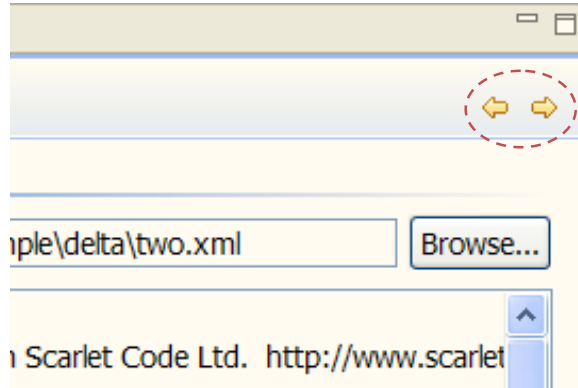
IP-XACT Delta compares the First (left) file with the Second (right) file. The differences represent the change when going *from the first file to the second file*. So that, for example, an item existing in the first file, but not in the second, is considered to have been *deleted*. The item is highlighted as deleted in first file (where it can be shown). It cannot, of course, be shown in the second file. The converse happens for items that exist only in the second file – they are indicated as having been *added* (only in the second file of course).

On the *Differences* page, differences are shown with the following highlights:

Highlight	Comment
Bold Text	All difference types are shown emboldened.
Blue Text	Items shown in blue text exist in both the first and second files but have either different attributes or different children. Parent nodes are shown in blue text when a child node has either been added or removed.
Red Text	Items shown in red have been deleted from first file – that is they exist in the first file, but not the second.
Green Text	Item shown in green have been add to the second file – that is they do not exist in the first file, but only in the second.

1.5.2 Navigating the differences

The nodes in the trees in the IP-XACT Differences view represent the actual data in the source file – the nodes are shown in file order. You may look for difference highlights by expanding the tree nodes; however, it is much easier to use the navigation buttons  placed at the top right-hand side of the view.



An alternative to using the navigation buttons is to use the key combinations `Ctrl+Left` and `Ctrl+Right`.

1.5.3 Difference Details

The *Details* section of the *Differences* page lists the differences associated with the currently selected difference node. There may be many differences associated with one node.