# Feature Updates

## Router Switch Streaming Bridge (RSSB) Module

In this release, a new router switch streaming bridge module has been introduced which replaces the traditional router switch module. This module is needed to support the CMI and IDI protocols in the NoC and to enable the new RegBus Controller (RBC).

## Regbus Controller

In this release, a new module - Regbus Controller is introduced, which replaces the existing regbus tunnel module. This RBC supports multiple porsts with different protocols, accessing the regbus layer.

* AXI4S port for tunneling requests from the main NoC layer to the Regbus layer.
* APBM interface
* IOSF-SB interface
* IOSF-APB interface
* AXI4LM

This regbus controller has a new regbus master, RBC-RBM, which connects to RBC on the host side and RSSB on the NoC side.

## IOSF Sideband

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***Preliminary Features***

## CMI Support

In this release, a license controlled CMI support has been added. Please contact CFG support for details.

## IDI Support

In this release, a license controlled IDI support has been added. Please contact CFG support for details.

## OCP Support

In this release, a license controlled OCP support has been added. Please contact CFG support for details.

## UFI Support

In this release, a license controlled UFI support has been added for NocStudio use, but not RTL generation. Please contact CFG support for details.

# Hot Fixes

## CMI Performance Issue

In this release, an issue with the CMI Protocol Handler which affects the performance simulation in NocStudio, has been fixed.

## SCF gen\_rtl failures

In this release, an issue with NocStudio crash on SCF configs, when pipeline\_depth is specified has been fixed.