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ABCIP OI Server (OI ABCIP) interface with Rockwell Logix Controllers running firmware 32.xxx might not reconnect after a power cycle

ANSWER

After a ControlLogix, CompactLogix, or GuardLogix controller running firmware v32.xxx is power cycled, it is possible that OI ABCIP communications do not resume. The OI ABCIP system tag, **\$sys\$tagDBstatus**, has a value of **Uploading** and the SMC log shows that the tag database upload procedure is not completing.

The following log message might appear:

```
DASProtWarn -- ABCIP -- UploadTags retrigged for <PLC configuration hierarchical structure>
```

This is caused by a known issue in Rockwell v32 firmware up to- and including **v32.013**. You have the following resolutions:

- (Temporary workaround) - Redownload the PLC program into the controller. You might encounter errors when attempting to execute this action. Please contact Rockwell support for assistance to resolve these errors.
- (Permanent solution) - Upgrade the controller firmware to **v32.014** or higher. The following statement appears in the v32.014 release notes as the related resolved issue:

"After a controller power cycle, HMIs cannot reconnect to the controller and will require a download of the application."