The Transportation System Modernization (TSM) Platform team releases **v1.3.1** of the Continuous Build Pipeline (CBP). This release includes support for applications deploying with Hyper Text Transfer Protocol Secure (HTTPS) protocol, other enhancements, and one resolved defect.

## Feature

Support for applications deploying with Hyper Text Transfer Protocol Secure (HTTPS)

* This feature allows for the build pipeline to verify the deployment status for applications using HTTPS protocol.
* For details on how to use this feature, please refer to our [FAQs](https://github.bnsf.com/YT/tsm-cbp-home/wiki/FAQ" \l "how-do-i-configure-my-pipeline-to-support-https).

**Enhancements**

1. CBP now supports N-tier / Nested multi-module projects. For details on how to setup your pipeline, please refer to our [FAQs](https://github.bnsf.com/YT/tsm-cbp-home/wiki/FAQ" \l "how-do-i-configure-my-application-as-a-nested-multi-module-or-n-tier-multi-module-project).
2. Deployment has been enhanced to use a unique build number (as opposed to using a time-stamp) to identify a single deployment. Although the version number remains the same, the build number uniquely identifies each deployment. The result of using the build number is to prevent failure and to allow successful deployments.

## **Resolved Defect**

[D-12824](https://www15.v1host.com/BNSFprod/defect.mvc/Summary?oidToken=Defect%3A716453&RoomContext=TeamRoom%3A44422): Curl now ignores certain error codes after the application shuts down.

The following section highlights actions that are required by application teams, and a list of known issues.

Actions Required: None

Known Issues: None

Note: Please do not upgrade **bnsf.platform.build** version to 1.3.1.RELEASE because it has not updated. You can keep using 1.3.0.RELEASE version of it.

For further assistance, please reach out to us at [TECHSVCSDLTSMContactPlatform@BNSF.com](mailto:TECHSVCSDLTSMContactPlatform@BNSF.com)

# (Lance: This section is actually a link to the FAQ link in bullet 2 in the Feature section above.)

# How do I configure my pipeline to support HTTPS?

To configure your pipeline to support the HTTPS protocol, update the config.yml file by using a key-value pair (KVP) with the HTTPS *protocol*. See below:

Bnsf:

                Virtual-machine:

                                <profile-name>:

                                                Applications:

                                                                <application-name>:

                                                                Protocol: “https”

If this KVP is not specified, then the verification will default to http. Ensure that you have completed all other configurations required for communicating with the app using Secure Socket Layer (SSL).

* For details on requesting and setting up certificates, refer [here](http://depot.bnsf.com/team/BNSFAppSec/Shared%20Documents/Security%20Solution%20Patterns%20for%20Application%20Linkages/ApplicationLinkageDocumentation/index.html?InstructionSet=Tomcat&Responsibility=Server&Category=Application).
* For best practices on using the certificates and providing connection details, refer [here](http://depot.bnsf.com/team/BNSFAppSec/Shared%20Documents/Standards%20and%20Practices/Credentials%20Storage%20Standards.docx).

**Note**: The pipeline is not responsible for setting up SSL. All the SSL and certificate configurations need to be performed manually. Pipeline will only start the application with the parameters provided. Applications using self-signed certificates will not be supported.

**Important:** Ensure that you have completed all other configurations required to communicate with the application (app) using SSL.

**Certificates** - To request and set up certificates, click [here](http://depot.bnsf.com/team/BNSFAppSec/Shared%20Documents/Security%20Solution%20Patterns%20for%20Application%20Linkages/ApplicationLinkageDocumentation/index.html?InstructionSet=Tomcat&Responsibility=Server&Category=Application).

**Best Practices** - For certificate utilization and connection details, click [here](http://depot.bnsf.com/team/BNSFAppSec/Shared%20Documents/Standards%20and%20Practices/Credentials%20Storage%20Standards.docx).

**Queries** - Contact the BNSF Security Team for SSL queries.