



## Security Alert: Niagara<sup>AX</sup> Directory Traversal Remediation

July 13, 2012

### Summary

Recently, independent security researchers Billy Rios and Terry McCorkle notified ICS-CERT of a directory traversal and weak credential storage vulnerability with proof-of-concept (PoC) exploit code for the Tridium Niagara<sup>AX</sup> Framework software.

We understand how important security is and are committed to helping you make any necessary adjustments to the Niagara<sup>AX</sup> Framework software to ensure the highest security. We recommend you take the following immediate actions.

### Remediation Instructions

#### Limit User Permissions

Only allow users access to the specific things that they need to do their jobs. This is especially important when it comes to the *file system*. If a user has access to the entire file system, they have access to the entire station configuration.

Specifically, the config.bog file, located in the station's root directory, can be a security risk. Security should be configured to limit access permissions of the user to only folders the user is required to access. These would include px, images, and nav folders. To setup, create a new category using the Category Manager. Using the Category Browser, assign only file folders that you need users to access such as file:^px, file:^nav, etc. to the newly created category. Setup the user permissions to include only file permissions of the newly created file category. Keep in mind that by default all objects are assigned to category index 1 (Category1, or whatever the first Category component is named).