Dimensional INSIGHT

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Failure of the limit-rows-by-username-column access control feature in Diver Platform 8.0

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Overview

The cBase analytics engine ("Spectre") in Diver Platform 8.0 has a feature for limiting cBase rows to a particular user whose name matches a column in that cbase. This access control feature uses the tag "limit-rows-by-username-column." In earlier versions of Diver Platform 8.0, this setting did not function correctly and could result in one user seeing data intended for another because the username was not recorded in cache entries. This bulletin describes the impacted software versions as well as how to detect if your installation is making use of this feature. If you make use of this feature, you are urged to upgrade immediately.

Versions

This issue exists in all 8.0 versions prior to 8.0 (15). It is fixed in **8.0 (19)** and later. It is also fixed in the following patch versions: **8.0 (15.11)** and later; **8.0 (16.4)** and later; **8.0 (17.2)** and later; **8.0 (18.4)** and later.

This issue only impacts the use of cBases with this access control feature. Models do not have this access control feature. Major versions prior to 8.0 are not impacted (7.2, 7.1, 7.0).

Detecting if this feature is in use

Most installations of Diver Platform do not use this feature. To determine if yours does, you can search through each project's access control rule files (located in the .project folder) for the string "limit-rows-by-username-column". Here are example of how to do so. Contact Customer Support if you need assistance.

- On a Windows DiveLine server with projects installed at C:\DI\Projects, use the following command to check from PowerShell:

  Get-ChildItem C:\DI\projects*\.project -Recurse -Force -filter *.access | Select-String -Pattern limit-rows-by-username-column

- On a Linux DiveLine server with projects installed at /di/projects from a shell prompt:

  grep -r --include *.access limit-rows-by-username-column /di/projects/*/.project

If no output is returned, the feature is not in use. Otherwise, the output will indicate what project and folder are subject to this access control feature and using which column. Only cBases that contain the named column in those folders are affected.

Mitigation

If you find you are using this feature, you may wish to temporarily deny all access to the impacted folders to users while preparing for a version upgrade. You can do this via Workbench. Contact Customer Support if you need assistance.

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