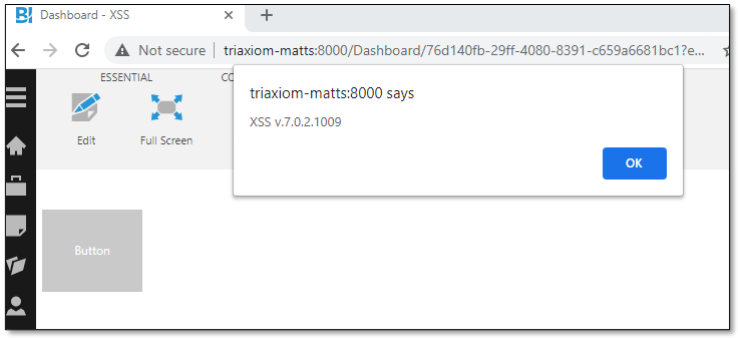
CVE-2020-28408 & CVE-2020-28409 – MULTIPLE PERSISTENT XSS DISCOVERED IN DUNDAS BI SERVER

POSTED ON NOVEMBER 10, 2020 BY RUMHAM



Content here will be expanded on upon later, for now this serves as a quick description and write-up.

Overview

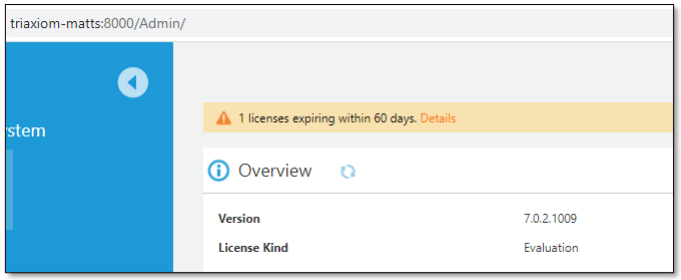
Dundas BI server has two stable release versions available for download for customers. Version 7.0.2.1009 and Version 8.0.0.1001. Both product versions contain persistent cross-site scripting (XSS) vulnerabilities in the same location.

Version 7.0.2.1009

HTML Label

An authenticated attacker may insert malicious Javascript code in an HTML label when creating or editing a dashboard. To do this:

1. User must be authenticated and have proper permissions to edit or create a dashboard.
2. In the dashboard editing screen, click on Components and select "HTML Label".
3. Insert code. PoC: <script>alert('XSS')</script>.



Version 7.0.2.1009

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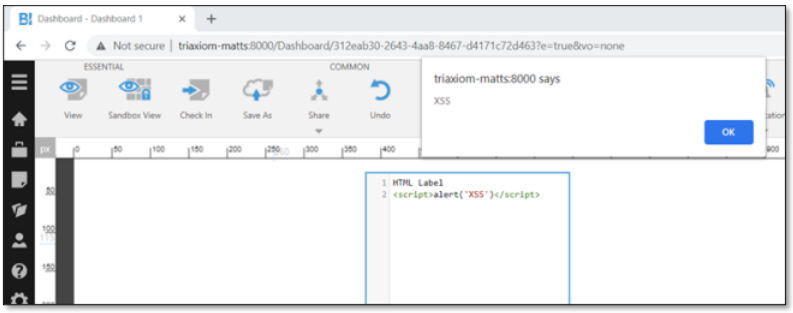
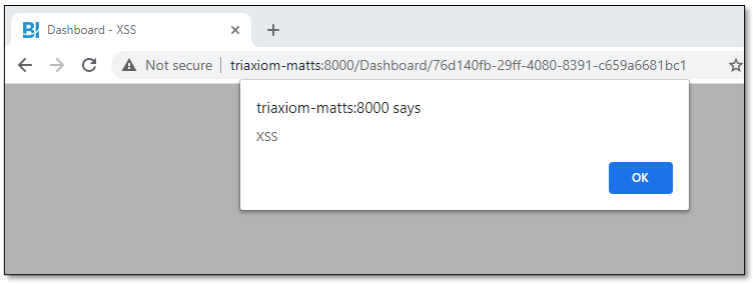
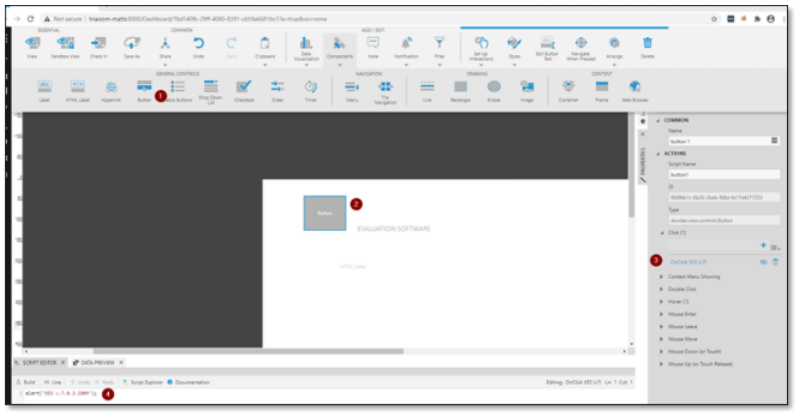


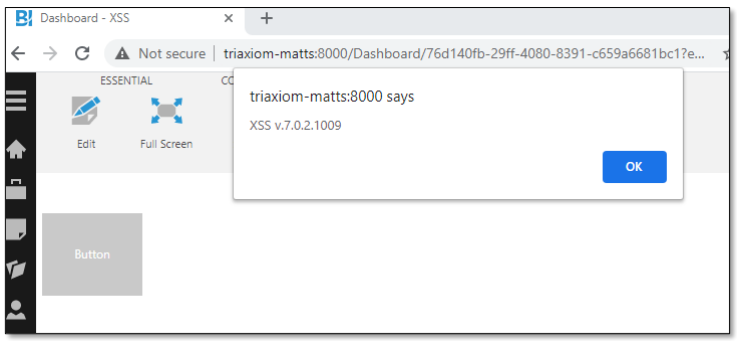
XSS will immediately execute after clicking out of label editor.



View from dashboard as any user.

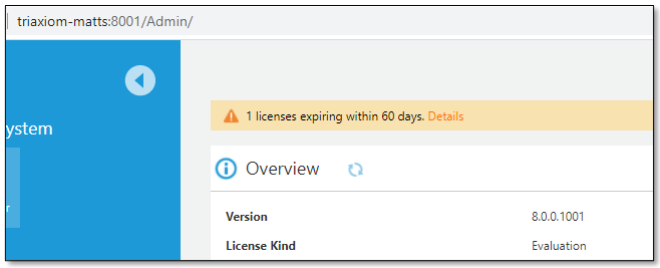
Button XSS





Version 8.0.0.1001

The same vulnerabilities exists within the latest deployment of Dundas.



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Version 8.0.0.1001

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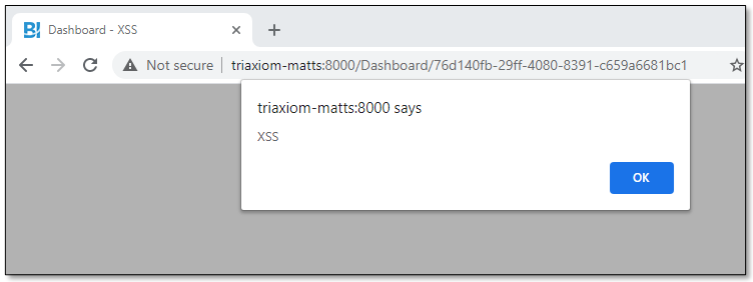
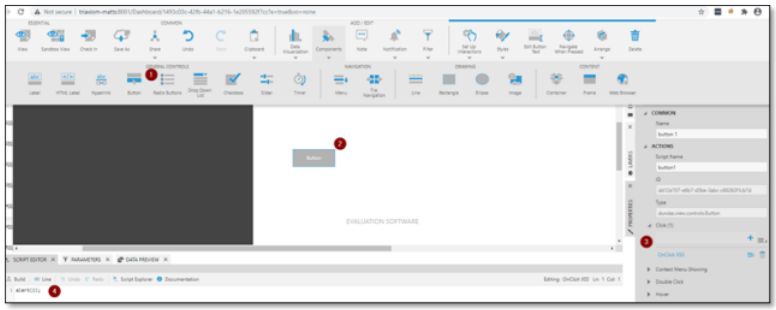
Version 8.0.0.1001 PoC



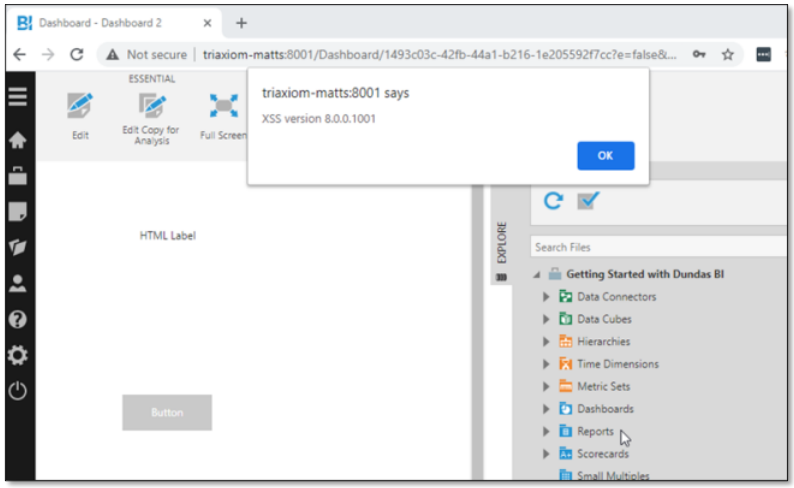
Version 8.0.0.1001 XSS executing

Button XSS

1. Click Components and add a button.
2. Select the button.
3. Click properties and select Click (or another action such as “Double Click”, “hover”, etc.)
4. Insert script and click “Build”.



Button XSS.



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