Dr. Jaspersoft - SSO within Jaspersoft Web Studio

Mehul Bamania

drjaspersoft@connect.jaspersoft.com

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Next Dr. Jaspersoft Session:

2nd Thursday of every month
March 14th, 2024

Ask the Experts: Open Mic Session!

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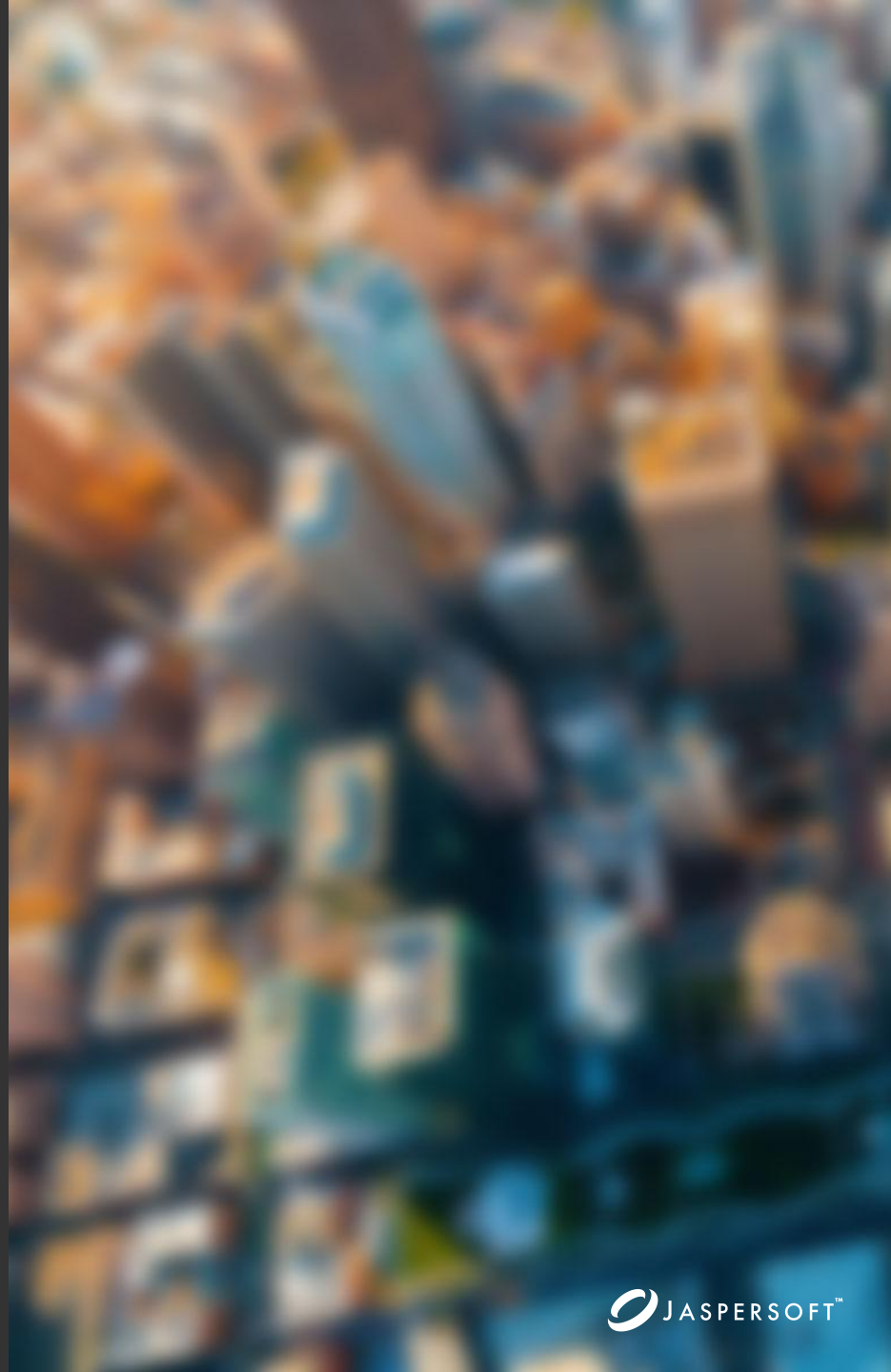
Agenda

- Jaspersoft Web Studio Recap
- Web Studio Offerings
- Manageable Report Repositories
- SSO Authentications
    - Google Drive and Github
- Demo (SSO)



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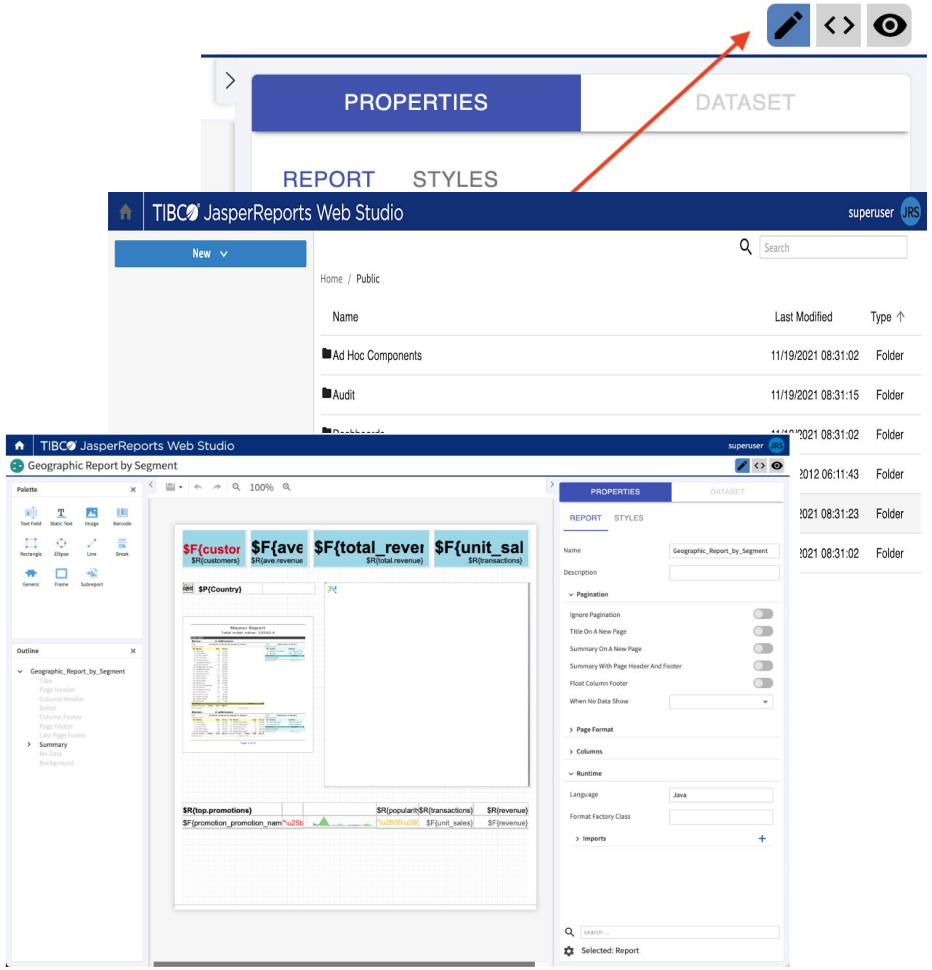
Jaspersoft Web Studio Recap

- JasperReports® Web Studio Edition is the set of tools to run and edit report templates for the JasperReports® Library reporting engine
  - It includes tools to
    - manage a repository
    - import assets and existing templates
    - design and preview of JRXML templates
    - create and configure various Data Adapters i.e SQL, XLS CSV JSON, JDBC etc



- A web-based alternative to Jaspersoft Studio, our most advanced desktop application to design pixel perfect jasper reports.
- JasperReports Web Studio supports a few different deployment scenarios, including a standalone web application that can be run on its own or added to the existing JasperReports® Server instances as a pluggable report editing feature

https://docs.tibco.com/pub/js-jrws-pro/3.0.0/doc/pdf/js-jrws_3.0.0_user-guide.pdf?id=0

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Jaspersoft Web Studio Offerings

Standalone

Separate Product

Lightweight Web application running on Jetty

Supports Multiple Repository, Github, Google, JRS, File based etc

Download and Installation required

JRS Embedded

Embedded within JRS

No authentication required

Only supports managing of JRS Repository

No Download or Installation required

Uses JRS Engine to render reports

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Manageable Report Repositories

1. Host file system - Use the host file system as a repository, ideal for project with single reports developer. (Can configure multiple folders/repositories)

2. JasperReports Server - Connect to and use JasperReports Server as a repository.

3. Google Drive - Authenticate via Google to use Google drive as a repository.

4. Github - Authenticate via Github and use Github as a repository

5. Jackrabbit as a repository

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Demo: JasperReports Server as a Repository

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Demo: Local Folder as a Repository

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Local Folder as a Repository

By default, this option is hidden, once enabled it should appear in the login screen. To enable, edit the file jrws.properties and uncomment the line below replacing [name] with your repository name:

#jrws.repository.file.[name]=/path/to/filesystem # use this folder as root for filesystem access

i.e:

#jrws.repository.file.Finance=C:/Users/mbamania/Desktop/TIBCO/Reports/Finance"

You can configure multiple locations by adding further entries, for i.e:

#jrws.repository.file.HR=C:/Users/mbamania/Desktop/TIBCO/Reports/HR"

Warning! Because JasperReports Web Studio is listening by default on the localhost:8088 , this folder will be seen by other network users. To avoid this, it is the responsibility of the users to protect this port with a firewall (not allowing connections from outside) or configure the jetty server to allow connections only from the localhost.

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Demo: Google Drive as a Repository and Authentication

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Google Drive as a Repository

By default, the Google Drive option is disabled, to enable and integrate, we need to obtain client id and client secret by registering our app in the Google developer console. This requires a google email account. To enable, edit the file jrws.properties and uncomment the line below providing your client id and client secret:

jrws.google.client.id=

jrws.google.secret.key=

Basics steps are:

1. **Configure OAuth consent and scope** (https://www.googleapis.com/auth/drive)
2. **Create credentials**
3. **Set Redirect URIs** (Redirect URI: **http://localhost:8088/repo/google-oauth2callback**)
4. **Enable API**

You can refer to this documentation to create and register your application and obtain client id and the secret:

https://developers.google.com/drive/api/v3/about-auth

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Demo: Github as a Repository and Authentication

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Github as a Repository

By default, the Github option is disabled, to enable it, we need to obtain client id and client secret by registering our app in the Github OAuth app registration . This requires an github account. To enable, edit the file jrws.properties and uncomment the line below and provide your client id and client secret:

jrws.github.client.id=

jrws.github.secret.key=

Basics steps are:

1. **OAuth 2 App registration**
2. **Authorized call back URI - http://localhost:8088/repo/github-oauth2callback**

You can refer to this documentation to create and register your application and obtain client id and the secret:

https://docs.github.com/en/rest/guides/basics-of-authentication

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Resources

- Customer Success Orientation https://community.jaspersoft.com/knowledgebase/installation/jaspersoft-customer-orientation/
- Jaspersoft Quick Start Guide https://www.jaspersoft.com/getting-started
- Dr. Jaspersoft Community https://community.jaspersoft.com/dr-jaspersoft-webinar-series/
  - Previous webinar recordings https://community.jaspersoft.com/dr-jaspersoft-webinar-series/
- YouTube playlist https://www.youtube.com/playlist?list=PL5NudtWaQ9l4hfowZRgxQtL6p4f5jeFWQ
- Jaspersoft Community Answers (post questions and tag #DrJasper)
  - https://community.jaspersoft.com/forums
- Additional links for today's presentation:
  - **https://docs.tibco.com/pub/js-jrws-pro/3.0.0/doc/pdf/js-jrws_3.0.0_user-guide.pdf?id=0**
    https://community.jaspersoft.com/knowledgebase/getting-started/jasperreports-web-studio-professional-edition

    https://www.youtube.com/watch?v=eZBTuaJxwgQ

    https://www.jaspersoft.com/products/jasperreports-web-studio

    https://www.jaspersoft.com/resources/on-demand-webinar/dr-jaspersoft-jasperreports-web-studio

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Thank you

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drjaspersoft@connect.jaspersoft.com

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