WIP Product Overview

QVAuctor Ltd.

Sales Manager: Craig Wu
Standard Disclaimer

• The information provided in this document is provided based on our most current knowledge, products and services, and communicated as such.

• QVAuctor does not assume nor accept any liability for its interpretation nor use. Any specific further elaboration on the information provided should be requested from QVAuctor directly.

• All non public information shared in confidentiality, shall be accepted and treated as such whether an non-disclosure agreement exists or not

• Any information provided in digital format is subject to our standard disclaimer which can be found from our site: www.ebiexperts.com
Agenda

• Company Introduction
• The Challenge Introduction
• WIP: Solution Introduction
• Product Presentation
• WIP Architecture
QVAuctor Ltd

- We develop augmented products for your Business Intelligence. We are specialists in change control, quality management, publication management and audits

- We provide agile lifecycle management solutions for your Business Intelligence products

- ebi=Enterprise Business Intelligence
QVAuctor-ebiexperts Products

• Agile Lifecycle Management Solution
  – WIP

• Notification: WIP will replace these products over next few years:
  – Version Manager for SAPAnalytics (VM4SAP)
Aaaaaaarch

- So many people...
- So many technologies...
- So many environments...
- So many request...
- So many files...
- So many changes...
- So many delays...
- Not all developers are equal...
- Our environments are unstable...
- Policies are not being adhered to...
- Development procedures are not enforceable...
- Quality reviews are not being performed...
- Different policies for different environments are difficult to enforce...
- Root cause analysis is not possible...
- Very difficult and time consuming to maintain quality across all Qlik product and environments...
Agile Lifecycle Management Solution
Request - Change - Release - Quality - Publication - Audits

THE SOLUTION
WIP Introduction

• WIP is a web based agile Work-In-Progress management solution

• WIP manages and controls all aspects of a file throughout it's life, from it's requirement to retirement.

• Files can be Qlik Applications and content, SAPAnalytics Files or Microsoft files etc.
WIP: Manages Your Work-In-Progress

Environments

Central Admin & Audits

Publication Management

Agile Requirements & Release Management

Source & Quality Control

Technologies

© QVAuctor - ebiexperts
WIP: Agile Lifecycle Management Solution

We invited this guy
Hi, I’m a business user

We improved this girls efficiency
Hi, I’m a developer

WIP Repository

Web based architecture
Agile Request Lifecycle Management
Integrated Release Management
Collaboration & Notifications
Quality Control
Improved lineage & impact analysis
Central Dashboard for Monitoring
Central Administration

File
Publication
Publication
Publication

Policy Control

DEV
File.1.0.1

QA
File.1.1.0

PRD
File.1.2.1

Workflow Management

Releasing Q1 2019

System Quality Control

Dispensation Control

Governance Analysis

API

We enabled this guy to control
Hi, I’m an Admin User

We improved this girls efficiency
We invited this guy
We enabled this guy to control

Hi, I’m a developer
Hi, I’m a business user
Hi, I’m an Admin User

© QVAuctor - ebiexperts
WIP: Agile Lifecycle Management Solution

Requirements | Assignments & Collaboration | Change Control | Review | Refine | Build | Test

Business User | Development User | Admin User

Plan | Execute | Maintain

Collaboration | Control
WIP: In a Nutshell

Application Lifecycle Management
- Users
  - Requirement creation
  - Resource allocation and assignment of work management
- Source Control
  - Agile KANBAN Issue Management
  - Issue migration, release management, task management, collaboration and notifications
  - Change management, version management, change analysis
  - Comparison and impact analysis
- Quality Control
  - *Application complexity Analyzer (end November 2017)
  - Environment quality control - environment checklists
- Publication Management
  - Publication management, Rollbacks
  - Publication Workflow Management (Workflow)
  - Publisher Tasks
- Central administration management environment
  - Central configuration
  - User access and security management
  - License management
  - Audit tracking and monitoring
  - Dispensation request management
  - Environment complexity index configurations
- Audits
  - Comprehensive *analysis and audits

© QVAuctor - ebiexperts
PRODUCT PRESENTATION
Login Page

- Licensed User Types
  - Developer and Admin Users
  - Business Users and Analysts

- Active Directory Integration
  - Users can apply single sign on through using the active directory integration

- Change Requests
  - Any user with access to a file can create a change request on that file
Select Environment

- Once logged in, users can choose the product they wish to work on as well as the environment they wish to work in.

  Selecting a product will shortlist the environments available for that specific product.

  User will only see the environments they have access to.
Agile Requirement & Release Management & Collaboration & Publication

- Development and business users can migrate their work within Kanban
- Development users can create releases for user testing
- Users can collaborate with business users through comments and task completions
- Development users can publish releases to production environment directly from Kanban
- Integrated Notification Management
- Filter Kanban based on User, Business Unit or Issue type
- Create new issues
User Requirements Identification

- Any user can create a change request
  - The user that requests change is the reporter of the issue
  - Issues can be an error correction, new features or improvement requests
  - Reporters can assign tasks for the developer to complete
  - Reporters can assign a priority to the issue
  - Reporter can link a file to the issue
  - Selecting a business unit shortlists the assigned developers for the work
  - Link a file to the issue
  - Provide some comments on the issue
  - Attach project documentation to the issue
  - Review all notifications on an issue level
Dashboard

- Summary on all interactions for a user
- Reported by me
- Assigned to me
- Subscribed issues
- Notifications

Link directly to issues
Sort by any key
### Collaboration

- Admin can share interesting information

Support

- Information
- Training
- Collaboration

### Support

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Attachment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Website</td>
<td>ebi experts Support Website</td>
<td></td>
</tr>
<tr>
<td>Email</td>
<td>ebi experts Support Email</td>
<td></td>
</tr>
</tbody>
</table>

### Collaboration Groups

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Attachment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Qik Developers Whatsapp</td>
<td>Request Access From +27 73 273 3757</td>
<td></td>
</tr>
<tr>
<td>WPF Development Skype Group</td>
<td>Request Access From Djiyygday</td>
<td></td>
</tr>
</tbody>
</table>

### Social Media

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Attachment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Youtube</td>
<td>ebi experts YouTube Channel</td>
<td></td>
</tr>
<tr>
<td>Facebook</td>
<td>ebi experts Facebook Page</td>
<td></td>
</tr>
<tr>
<td>Twitter</td>
<td>ebi experts Twitter Page</td>
<td></td>
</tr>
</tbody>
</table>

### Forums

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Attachment</th>
</tr>
</thead>
<tbody>
<tr>
<td>LinkedIn WAP</td>
<td>WAP LinkedIn Page</td>
<td></td>
</tr>
<tr>
<td>LinkedIn QikActor</td>
<td>ebi experts QikActor</td>
<td></td>
</tr>
<tr>
<td>LinkedIn QikActor - ebi experts</td>
<td>QikActor - ebi experts Linkedin Page</td>
<td></td>
</tr>
</tbody>
</table>
File Management

- File management is integrated to Qlik Sense / QlikView server and file import capabilities
- Files can be imported into WIP repository for further management
- Qlik Sense API integration shares user access rights
- WIP manages the master version of a file and all versioned copies across environments
Source Control

- WIP Manages one file which has many versions
- Files can be checked-out/checked-in the repository
- Files are locked for editing whilst checked-out of the repository
- File versioning is automatically applied
- Admin users can check files back into repository when needed
Version By Environment

- User can select a file and see which environments that file has been published as well as the latest version of the file in the environment.

<table>
<thead>
<tr>
<th>Version</th>
<th>Environments</th>
<th>Description</th>
<th>Comment</th>
<th>Size</th>
<th>Proc Status</th>
<th>Check-In Date</th>
<th>Check-Out ...</th>
<th>Check-Out ...</th>
<th>Check-Out Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0.3</td>
<td>DEV • LAT • PRD</td>
<td>Add Sheet 02</td>
<td></td>
<td>163840</td>
<td>Ok</td>
<td>2018/10/11</td>
<td>2018/10/11</td>
<td>Stream: #My...</td>
<td>EBBWIN2016...</td>
</tr>
<tr>
<td>1.0.2</td>
<td>DEV • LAT • PRD</td>
<td>Add Sheet 01</td>
<td></td>
<td>163840</td>
<td>Ok</td>
<td>2018/10/03</td>
<td>2018/10/03</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.0.1</td>
<td>DEV • LAT • PRD</td>
<td></td>
<td></td>
<td>163840</td>
<td>Ok</td>
<td>2017/12/01</td>
<td>2017/12/01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.0.0</td>
<td>DEV • LAT • PRD</td>
<td></td>
<td></td>
<td>180224</td>
<td>Ok</td>
<td>2017/11/14</td>
<td>2017/11/14</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Comprehensive File Properties

- Users can access and manage file properties, versions, impact analysis, publication history, destinations, variables and connections to the file.
Qlik API Integration

• WIP Integrates with Qlik API’s
• Browse Qlik Servers
• Drag files into WIP repository
• Check in/out between WIP repository and development environments
• Inherit user rights as per QS QMS
Version Comparisons

• Compare two versions
• Colour coded changes
  - Added: Green
  - Deleted: Red
  - Changed: Blue
• Changes in layouts
• Changes in scripts
• Changes in Variables
• Changes in Sheets
Complexity Analysis

- Same as DocAnalyzer
- Validates complexity against pre-set standard for environment
- Shows a pass/fail on category

<table>
<thead>
<tr>
<th>Version</th>
<th>Description</th>
<th>Comp...</th>
<th>Size</th>
<th>Session...</th>
<th># Tbls</th>
<th># Hds</th>
<th># Rows</th>
<th>Cardi %</th>
<th># Sheet...</th>
<th># Object...</th>
<th># Expr</th>
<th>Set Ana</th>
<th>Long Exp</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0.3</td>
<td>0.00</td>
<td>0.14</td>
<td>0</td>
<td>1</td>
<td>6</td>
<td>0.00</td>
<td>37.20</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>1.0.2</td>
<td>0.00</td>
<td>0.14</td>
<td>0</td>
<td>1</td>
<td>6</td>
<td>0.00</td>
<td>37.20</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>1.0.1</td>
<td>3.00</td>
<td>300.00</td>
<td>100</td>
<td>1</td>
<td>6</td>
<td>638.00</td>
<td>23700.09</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>
Environment Checklists & Complexity

- Publication Comments
- Environment publication workflow as per workflow
- Quality Control Checklists per publication environment
  - Required checks
  - Additional process related checks
- Complexity Analysis validations before applications can be published
- Request Dispensation
Publication History

- Historical view of all publications
- Ability to rollback total publication
- Ability to rollback a file
Global Standards

- Configure global variable and connectors per environment
  
  Append variables into applications when published into different environments
  
  Change connections based on environments
Server Configuration

- Create Servers
  - Configure environments
  - Configure security
  - Configure checklist
## Configure Users

- **Add Users**
  - Assign User Information
  - Assign User Rights
  - Review/Assign User Groups
  - Assign User Avatar

- **Import from AD**

### User Table

<table>
<thead>
<tr>
<th>Login Name</th>
<th>First Name</th>
<th>Last Name</th>
<th>Business Units</th>
<th>To Validate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administrator</td>
<td>dwh1</td>
<td>dwh1</td>
<td>Group Sales</td>
<td></td>
</tr>
<tr>
<td>Business Stakeholder</td>
<td>dwh2</td>
<td>dwh2</td>
<td>Default, Group Sales</td>
<td></td>
</tr>
<tr>
<td>EBWIN201/feder1</td>
<td></td>
<td></td>
<td>Default</td>
<td></td>
</tr>
<tr>
<td>EBWIN201/feder2</td>
<td></td>
<td></td>
<td>Default, SAP-BI</td>
<td></td>
</tr>
<tr>
<td>EBWIN201/kebidm</td>
<td></td>
<td></td>
<td>Default</td>
<td></td>
</tr>
<tr>
<td>EBWIN201/kebidv</td>
<td></td>
<td></td>
<td>Default</td>
<td></td>
</tr>
<tr>
<td>EBWIN201/kipa91</td>
<td></td>
<td></td>
<td>Default, Group Finance</td>
<td></td>
</tr>
<tr>
<td>EBWIN201/kipa91</td>
<td></td>
<td></td>
<td>Group Finance</td>
<td></td>
</tr>
<tr>
<td>EBWIN201/kipa91</td>
<td></td>
<td></td>
<td>Group Sales, SAP-BI</td>
<td></td>
</tr>
<tr>
<td>AMANAGER</td>
<td>wip91Admin</td>
<td>wip91Admin</td>
<td>Default</td>
<td></td>
</tr>
<tr>
<td>m4lindl</td>
<td>wip92Admin</td>
<td>wip92Admin</td>
<td>Group Finance</td>
<td></td>
</tr>
<tr>
<td>WPZ2bAdmin</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

© Modernising Management (Pty) Ltd.
Configure User Groups

- Add User Groups

Assign Users to Groups
Create Business Units

- Create Business Units
Manage Central Configuration Options

- Manage Central Configuration
  - System Rules
  - Licenses
  - Kanban configurations
  - Email – SMTP Configurations
  - Complexity Analysis Index
  - Publish Workflow
WIP Architecture
Thank you for your participation
Your Success IS Our Success

Contact:

CRAIG WU  
Sales Manager  | OVAuctor Ltd.
Mobile  | +27 (0) 73 273 5775
Email  | craig.wu@ebiexperts.com
Web  
www.ebiexperts.com