

### **WIP Product Overview**

QVAuctor Ltd.

Sales Manager: Craig Wu

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- Company Introduction
- The Challenge Introduction
- WIP: Solution Introduction
- Product Presentation
- WIP Architecture



# **Ebi** Company Introduction

- 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

# **=bi**experts



# **Ebi** QVAuctor-ebiexperts Products

Agile Lifecycle Management Solution

 WIP



• Notification: WIP will replace these products over next few years:

Version Manager for SAPAnalytics (VM4SAP)





## **≡bi**experts

## Agile Lifecycle Management Solution Request - Change - Release - Quality - Publication - Audits

## THE CHALLENGE



#### Aaaaaarch

- 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...





## **≡bi**experts

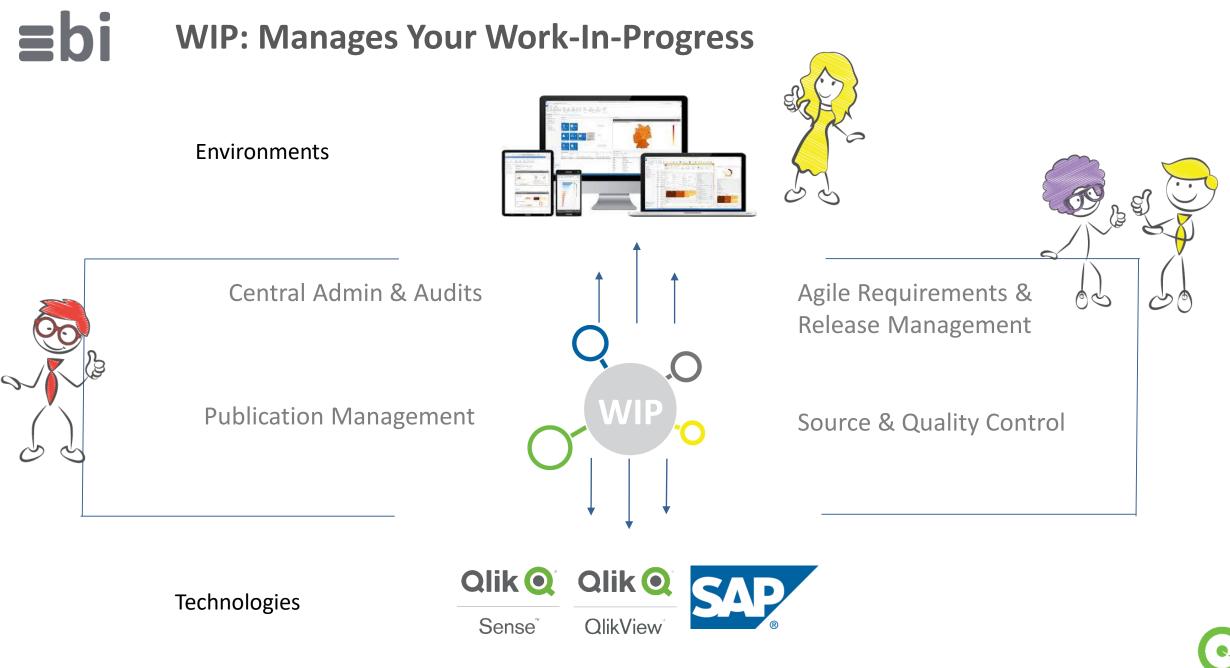
# Agile Lifecycle Management Solution Request - Change - Release - Quality - Publication - Audits

## THE SOLUTION

# **=bi** 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.

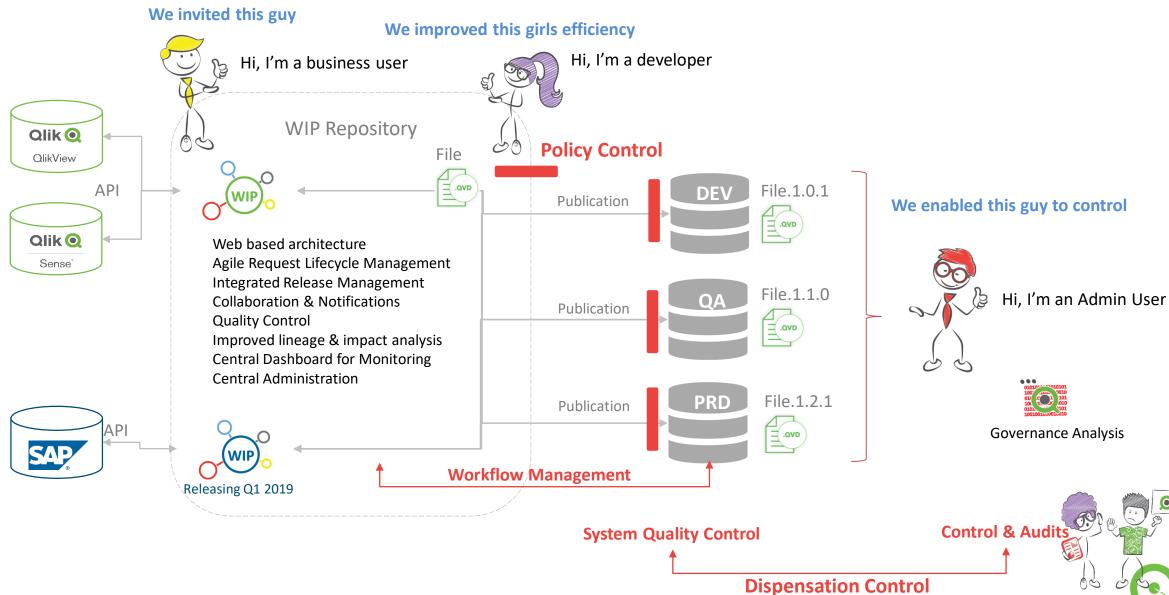




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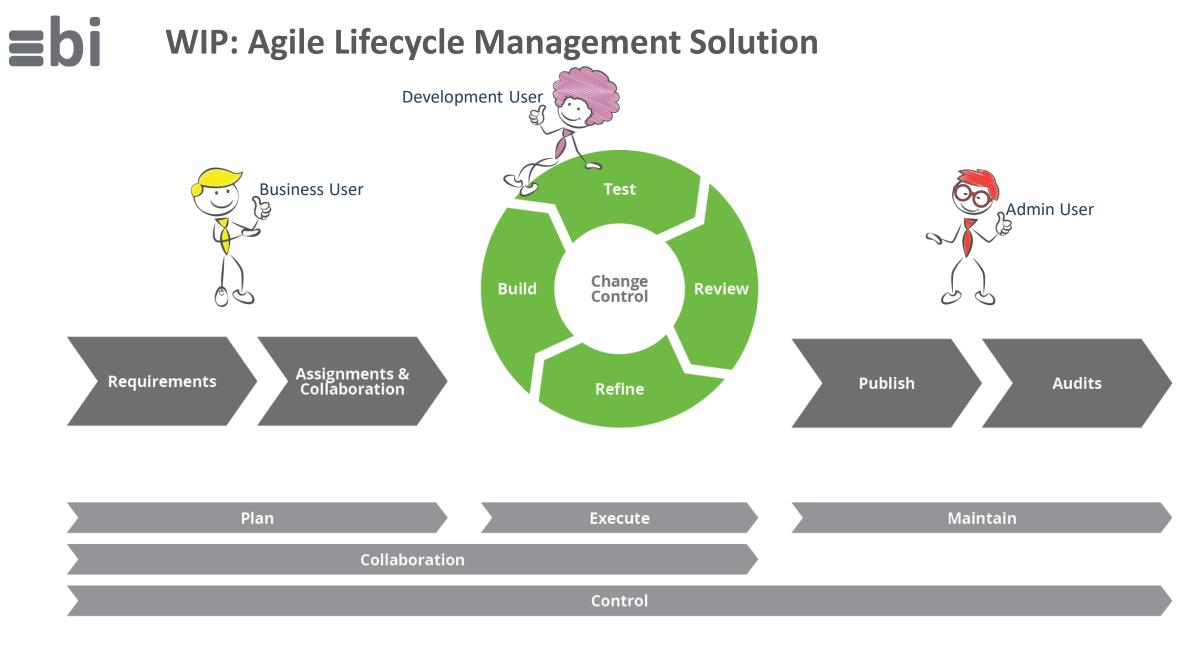
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## **Boi** WIP: Agile Lifecycle Management Solution



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# **=bi** 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



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## Agile Lifecycle Management Solution Request - Change - Release - Quality - Publication - Audits

## **PRODUCT PRESENTATION**



### Login Page

Licensed User Types
 Developer and Admin Users
 Business Users and Analysts

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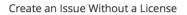
- Active Directory Integration
  - Users can apply single sign on through using the active directory integration
- Change Requests

Any user with access to a file can create a change request on that file

#### Welcome to Your-Work-In-Progress



| Licensed User Lo | ogin                              |    |
|------------------|-----------------------------------|----|
| User name        | Username                          |    |
| Password         | Password                          |    |
| Login mode       | UsingPassword                     | \$ |
|                  | Submit Request Access Lost Passwo | rd |





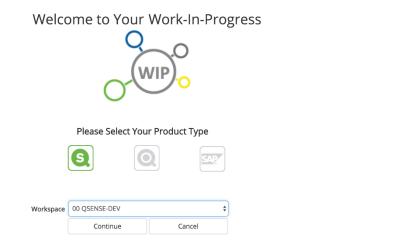




### Select Environment

- 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.

| <b>≡bi</b> experts | S |
|--------------------|---|
|--------------------|---|





Admin 😨 EBIWIN2016\ebidev 📦



#### 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

#### FILTERS: Select Filter Select Business Unit Select Issue Type BOARDS /X Issue #I032 Create New Issue To Do On Hold In Progress Done Dashboard Incorrect Data Reloaded DEV Details MANAGE CONTENT Status: On Hold Dashboard 01 Issue with sum App Finance Sum Problem User Portal QlikView Issue 2 Charting Report Files Priority: A Medium #100: ? 0.0% #101:1 #1004 #103l 📍 🎭 ᄎ 0.0% Content Libraries 1 🔨 0.0% Craig User Portal Issue Craig Issue Issue JPG Create Users Description Folder Connections The data in the application is #103: \$ 0.0% #101: 🧖 ₼ ☆ 100.0% 1 🔨 0.0% Extensions ₱ 🗙 0.0% #101 #100 incorrect as it does not reflect the current month. Please correct this as MANAGE RESOURCES Graph problem on finance App Incorrect Data Reloaded My Issue SAP Finance App a matter of urgency 0.0% Issues #103: 📍 0.0% #1032 66.7% #103: ? 50.0% People EBIWIN2016\ebidev Reporter: Publication History Issue with Finance App Change Finance App Issue test it goes to Issues Menu EBIWIN2016\jpgolay Assignee: **Global Standards** 100.0% #101: ₼ ☆ 50.0% #102 0.0% #103-🚱 CONFIGURATION Tasks Servers 1. Review Current Data UAT Users 2. Fix Reload Task Create Users - Release 03 App Finance Sum Problem - Release 01 Create Users - Release 01 Charting Report - Release 01 Groups 3. Review Reloaded Data ? #R007-01 #R003 1 ^ 0.0% 0.0% #R004-01 \$ 0.0% . \$ 0.0% **Business Units** 4. UAT Issue JPG - Release 02 Charting Report - Release 02 Craig Issue - Release 01 App Finance Sum Problem - Release 02 Options Dates #R019-21 📍 0.0% 2 . \$ 0.0% 0.0% 0.0% #R005-04 2017/10/22 10:24:21 AM Croated:



Kanban Board

Home

# ≡bi

#### **User Requirements Identification**

- Any user can create a change request
   The user that requests change is the reporter of the
  - 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

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|-----|---------|--|
|-----|---------|--|

| IDENTIFICATION     |  |                                  |                                     |           |                     |       |      |                |                |   |
|--------------------|--|----------------------------------|-------------------------------------|-----------|---------------------|-------|------|----------------|----------------|---|
| Reporter           | JP Kirton  |                                  |                                     |           |                     |       | 🖌 Id | entification   |                | 1 |
| Reporter email     | jp.kirton@WIP.com  |                                  |                                     |           |                     |       | Co   | omments        |                |   |
| Issue Name*        | DemoTestRequest001   |                                  |                                     |           |                     |       | Fil  | es             |                |   |
| Issue Type*        | at Improvement   |                                  |                                     |           |                     | •     | At   | tachments      |                |   |
| Description        | Please improve the data automation and front end graphs      |                                  |                                     |           |                     |       | N    | otifications   |                |   |
|                    |  |                                  |                                     |           |                     |       |      |                |                |   |
| Tasks              | 1. SAP data automation - Income statement data               |                                  |                                     |           |                     |       |      |                |                |   |
|                    | 2. SAP data automation - Balance sheet data                  |                                  |                                     |           |                     |       |      |                |                |   |
|                    | 3. Improve global services comparison view - Waterfall chart |                                  |                                     |           |                     |       |      |                |                |   |
|                    | Add New Task   |                                  |                                     |           |                     |       |      |                |                |   |
| Subscribers        | EBIWIN2016\sapdemo ×   |                                  |                                     |           |                     |       |      |                |                |   |
| Business Unit      | Finance  |                                  |                                     |           |                     | •     |      |                |                |   |
| Assignee*          | EBIWIN2016\jpgolay   | =                                | Full Name                           |           | Last Version        | Statu | 5    | Is Checked Out | Properties     |   |
|                    | Assign To Me   | BOARDS<br>Kanban Board           | VM_DL03_DASHBOARD.qvf               |           | 1.0.3               | Ready |      | •              | Identification |   |
| Priority*          | ☆ Critical   | Dashboard                        |                                     |           |                     |       |      |                | Comments       |   |
|                    | ✓ Active   | MANAGE CONTENT<br>Files          |                                     |           |                     |       |      |                | ✓ Files        |   |
| Save Cancel Delete |  | Content Libraries                |                                     |           |                     |       |      |                | Attachments    |   |
|                    |  | Folder Connections<br>Extensions |                                     |           |                     |       |      |                | Rouncations    |   |
|                    |  | MANAGE RESOURCES                 |                                     |           |                     |       |      |                |                |   |
|                    |  | Issues<br>Publication History    |                                     |           |                     |       |      |                |                |   |
|                    |  | Global Standards                 |                                     |           |                     |       |      |                |                |   |
|                    |  | CONFIGURATION<br>Servers         | Add                                 | Files     | _DL03_DASHBOARD.qvf | -     | Add  |                |                |   |
|                    |  | Users                            | Publish (1) Remove (1) Create Relea | se Cancel |                     |       |      |                |                |   |
|                    |  |                                  |                                     |           |                     |       |      |                | 1.0            |   |

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### 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

| Filte       | Issue Name |                                  |             |            |              |             |  |
|-------------|------------|----------------------------------|-------------|------------|--------------|-------------|--|
| т           | Key        | Summary                          | Assigned To | Update     | % Compeleted | Status      |  |
| <b>.</b> 15 | #R038-40   | Sales Report - Release 02        | 0           | 2018/10/29 | 100.0%       | Open        |  |
| I.          | #R040-41   | Business User Issue - Release 01 | 3           | 2018/10/24 | 0.0%         | Open        |  |
| ß           | #R042-43   | Modify App 02 - Release 01       |             | 2018/10/19 | 0.0%         | Open        |  |
| I.          | #R041-43   | Modifiy App 01 - Release 02      | 0           | 2018/10/19 | 0.0%         | Open        |  |
| Į,          | #R041-42   | Modifiy App 01 - Release 01      | 0           | 2018/10/11 | 0.0%         | In Progress |  |
| Į,          | #1041      | Modifiy App 01                   | ۲           | 2018/10/11 | 0.0%         | In Progress |  |
| Į,          | #R039-41   | Data Lineage - Release 02        |             | 2018/10/03 | 0.0%         | On Hold     |  |
| I.          | #R039-40   | Data Lineage - Release 01        | 0           | 2018/10/03 | 0.0%         | In Progress |  |
| I.          | #1039      | Data Lineage                     | 0           | 2018/10/03 | 0.0%         | Resolved    |  |
| <b>.1</b> 5 | #1038      | Sales Report                     | 0           | 2018/09/17 | 100.0%       | On Hold     |  |
|             |            |                                  | More Issue  | 25         |              |             |  |
| 1–10        | ) of 12    |                                  |             |            |              |             |  |

| Assigned to Me                      |             |            |              | -      |   |
|-------------------------------------|-------------|------------|--------------|--------|---|
| Filter: Issue Name<br>T Key Summary | Assigned To | Update     | % Compeleted | Status | P |
| #R038-40 Sales Report - Release 02  | 0           | 2018/10/29 | 100.0%       | Open   |   |

| User Access    | Requests              |                        |              | -                               |
|----------------|-----------------------|------------------------|--------------|---------------------------------|
| New User Appre | ovals                 |                        |              |                                 |
| EBIWIN20       | 16\Avatar New User Ap | proval                 |              |                                 |
| 1-1 of 1       |                       |                        |              |                                 |
| Pending Put    | olications            |                        |              | -                               |
| Publication ID | Publish User          | Date Published         | Publish Type | Publish Comment                 |
| 1621530        |                       | 2018/08/28 2:45:57 PM  | ForApproval  | Promotion through envoironments |
| 1597523        | EBIWIN2016\ebidev     | 2018/06/13 4:26:37 PM  | ForApproval  | Publish to QA                   |
| 1595514        |                       | 2018/05/18 11:39:03 AM | ForApproval  | Ready for Production            |
| 1546454        |                       | 2018/04/05 4:56:09 PM  | ForApproval  | Ready for PRD                   |
| 991858         |                       | 2018/02/07 5:17:52 AM  | ForApproval  | nnjj                            |
| 963584         | EBIWIN2016\ebidev     | 2018/01/21 12:22:37 AM | ForApproval  | hhhgg                           |
| 963581         | EBIWIN2016\ebidev     | 2018/01/21 12:12:21 AM | ForApproval  | njbnj                           |
| 963578         | EBIWIN2016\ebidev     | 2018/01/20 11:54:01 PM | ForApproval  | nkhjhj                          |
| 963572         | EBIWIN2016\ebidev     | 2018/01/20 11:23:23 PM | ForApproval  | bjhgh                           |
| 963569         | EBIWIN2016\ebidev     | 2018/01/20 11:19:51 PM | ForApproval  | jkj                             |
|                |                       |                        |              |                                 |



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### Collaboration

• Admin can share interesting information

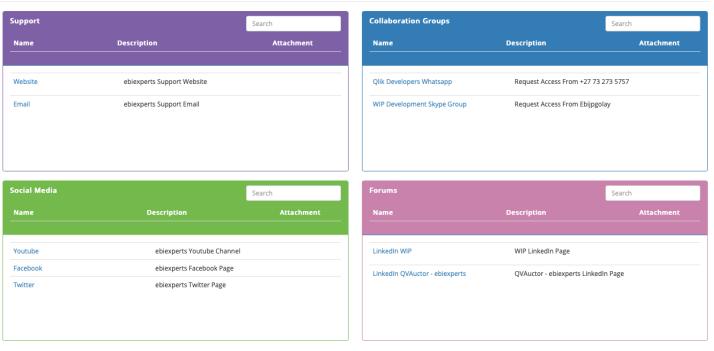
Support

Information

Training

Collaboration

#### COLLABORATIONS



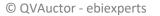




### **File Management**

- 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

| ARDS                | - Qlik Sense            | Checked Out |                      | Latest Version         | Complexity Index | Extension        | Proc Status                        | Folder | =       |
|---------------------|-------------------------|-------------|----------------------|------------------------|------------------|------------------|------------------------------------|--------|---------|
| Kanban Board        | Compare<br>Data Lineage |             | T<br>SimpleApp.qvf   | 1.0.8                  |                  | <b>T</b><br>0.03 | QVF Ok                             | T      | •       |
| Dashboard           | Promotion Workflow      | •           | SimpleApp.dvi        |                        |                  |                  | QVI- OK                            |        | Compare |
| Collaboration       | Sample Apps             |             |                      |                        |                  |                  |                                    |        |         |
| ANAGE CONTENT       | Std Apps<br>+ QlikView  |             |                      |                        |                  |                  |                                    |        |         |
| Files               | + SAP Analytics         |             |                      |                        |                  |                  |                                    |        |         |
| Content Libraries   |                         |             |                      |                        |                  |                  |                                    |        |         |
| Folder Connections  |                         |             |                      |                        |                  |                  |                                    |        |         |
| Extensions          |                         |             |                      |                        |                  |                  |                                    |        |         |
| ANAGE RESOURCES     |                         |             |                      |                        |                  |                  |                                    |        |         |
| Issues              |                         |             |                      |                        |                  |                  |                                    | 9      |         |
| Publication History |                         |             |                      |                        |                  |                  | <ul> <li>EBIWIN2016-QS1</li> </ul> |        |         |
| Global Standards    |                         |             |                      |                        |                  |                  | - Streams                          |        |         |
| NFIGURATION         |                         |             |                      |                        |                  |                  | #My Work                           |        |         |
| Servers             |                         |             |                      |                        |                  |                  | #Other's Work                      |        |         |
| Users               |                         |             |                      |                        |                  |                  | DEV Finance                        |        |         |
| Groups              |                         |             |                      |                        |                  |                  | DEV HR<br>DEV Marketing            |        |         |
| Business Units      |                         |             |                      |                        |                  |                  | Everyone                           |        |         |
| Options             |                         |             |                      |                        |                  |                  | Monitoring apps                    |        |         |
|                     | All Files More -        | Edit Check  | Out Check In Publish | h Publications Destina | ions More -      |                  | PRD Finance                        |        |         |
|                     |                         |             |                      |                        |                  |                  | PRD HR                             |        |         |
|                     |                         |             |                      |                        |                  |                  | PRD Marketing                      |        |         |
|                     |                         |             |                      |                        |                  |                  | UAT Finance                        |        |         |
|                     |                         |             |                      |                        |                  |                  | UAT HR                             |        |         |
|                     |                         |             |                      |                        |                  |                  | UAT Marketing<br>YouBee            |        |         |



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#### **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 checkedout of the repository
- File versioning is automatically applied
- Admin users can check files back into repository when needed

| <b>=bi</b> experts 00 QSENSE-I | DEV                     |                 |  |                |           | Admin 👳 EBIWIN               | 12016\ebidev  |
|--------------------------------|-------------------------|-----------------|--|----------------|-----------|------------------------------|---------------|
| Home Folder Files              |                         |                 |  |                |           |                              |               |
| ≡                              |                         |                 |  |                |           |                              | S Depart File |
| BOARDS                         | - QlikSense             | Checked Out     | File Name                                | Latest Version | Extension | Folder                       |               |
| Kanban Board                   | – Apps                  | ÷               |  | 1.0.13         | QVF       |                              |               |
| Dashboard                      | Data Lineage            | _               | VM_DL01_QVDGEN.qvf<br>VM_DL02_BINARY.qvf | 1.0.3          | QVF       | Data Lineage<br>Data Lineage |               |
| MANAGE CONTENT                 | Finance                 | 0               | VM_DL03_DASHBOARD.qvf                    | 1.0.2          | QVF       | Data Lineage                 |               |
| Files                          | Marketing               | 3               | VM_DL04_DASHBOARD2.qvf                   | 1.0.2          | QVF       | Data Lineage                 |               |
| Content Libraries              | Samples Check-In: VM_DI | .03_DASHBOARD.q | ıvf                                      |                | ×         |                              |               |
|                                | + Excel                 |                 |  |                |           |                              |               |
| Folder Connections             | Includes New Version    | on:             | Major Min                                | or Revision    |           |                              |               |
| Extensions                     | QVD                     |                 | 1 🕄 0                                    | 0              |           |                              |               |
| MANAGE RESOURCES               | + QlikView Check-In C   | omment:         | Quality update on script comment         | s              |           |                              |               |
| Issues                         | + SAP-BI                |                 |  |                |           |                              |               |
| Publication History            |                         | But Keep Locke  | d  |                |           |                              |               |
| Global Standards               | 🛛 Empty Q               |                 |  |                |           |                              |               |
| CONFIGURATION                  | Save C                  | ancel           |  |                |           |                              |               |
| Servers                        |                         |                 |  |                |           |                              |               |
| Users                          |                         |                 |  |                |           |                              |               |
| Groups                         |                         |                 |  |                |           |                              |               |
| Business Units                 |                         |                 |  |                |           |                              |               |
| Options                        |                         |                 |  |                |           |                              |               |

All Files More -

Edit Check Out (1) Check In (1) Publish (1) Publications Destination More -





### **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

| Version |    | Environments          | Description | Comment      | Size   | Proc Status | Check-In Da   | Check-Out     | Check-Out   | Check-Out S |    | Identification & Check-Out |
|---------|----|-----------------------|-------------|--------------|--------|-------------|---------------|---------------|-------------|-------------|----|----------------------------|
|         | -τ | T                     | T           | T            | Т      | T           | т             | T             | T           | T           |    |                            |
| .0.3    |    | DEV      UAT      PRD |             | Add Sheet 02 | 163840 | Ok          | 2018/10/11 8: | 2018/10/11 8: | Stream::#My | EBIWIN2016  | ~  | Versions                   |
| .0.2    |    | ●DEV ●UAT ●PRD        |             | Add Sheet 01 | 163840 | Ok          | 2018/10/03 3: |               |             |             |    | Impact Analysis            |
| .0.1    |    | ●DEV ●UAT ●PRD        |             |              | 163840 | Ok          | 2017/12/01 1: |               |             |             |    |                            |
| .0.0    |    | ●DEV ●UAT ●PRD        |             |              | 180224 | Ok          | 2017/11/14 8: |               |             |             | En | vironment 00 QSENSE-DEV 🗘  |
|         |    |                       |             |              |        |             |               |               |             |             |    | Publication History        |
|         |    |                       |             |              |        |             |               |               |             |             |    | Destinations               |
|         |    |                       |             |              |        |             |               |               |             |             |    | Variables                  |



Connections

Complex Analysis



#### **Comprehensive File Properties**

 Users can access and manage file properties, versions, impact analysis, publication history, destinations, variables and connections to the file

| <b>=bi</b> experts 00 QSE | NSE-DEV                               |                       | Admin 👳 EBIWIN2016\ebidev 🔿 |
|---------------------------|---------------------------------------|-----------------------|-----------------------------|
| Home Folder Content V     | M_DL03_DASHBOARD Edit Impact Analysis |                       |                             |
| ≡                         |                                       |                       |                             |
| BOARDS                    | IMPACT ANALYSIS                       |                       | Properties                  |
| Kanban Board              |                                       |                       | Identification & Check-Out  |
| Dashboard                 |                                       | sales orders.xis      | Versions                    |
| MANAGE CONTENT            |                                       |                       | V Impact Analysis           |
| Files                     |                                       |                       | Environment 00 QSENSE-DEV + |
| Content Libraries         |                                       |                       |                             |
| Folder Connections        |                                       | VM_DL01_QVDGEN.qvf    | Publication History         |
| Extensions                |                                       |                       | Destinations                |
| MANAGE RESOURCES          |                                       |                       | Variables                   |
| Issues                    |                                       | sales orders.qvd      | Connections                 |
| Publication History       |                                       | and a second a        |                             |
| Global Standards          |                                       |                       |                             |
| CONFIGURATION             |                                       |                       |                             |
| Servers                   |                                       | VM_DL03_DASHBOARD.qvf |                             |
| Users                     |                                       |                       |                             |
| Groups                    |                                       |                       |                             |
| Business Units            |                                       |                       |                             |
| Options                   |                                       |                       |                             |





### **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

| Biexperts 00 QSENS       | SE-DEV                        |                        |                             |               |           | Admin 👳 EBIWIN2016\ebidev I                         |
|--------------------------|-------------------------------|------------------------|-----------------------------|---------------|-----------|---|
| Home Qlik Sense App List |                               |                        |                             |               |           |   |
| ≡                        |                               |                        |                             |               |           |   |
| BOARDS                   | <ul> <li>QlikSense</li> </ul> | File Name              | Owner                       | Modified Date | File Size | Q   |
| Kanban Board             | <ul> <li>Apps</li> </ul>      | License Monitor.qvf    | sa_repository(INTERNAL\sa_r |               |           |   |
| Dashboard                | Data Lineage                  | Operations Monitor.qvf | sa_repository(INTERNAL\sa_r |               |           | <ul> <li>EBIWIN2016-QS1</li> <li>Streams</li> </ul> |
|                          | Finance                       | VM_DL04_DASHBOARD2.qvf | ebidev(EBIWIN2016\ebidev)   |               |           | = streams<br>#My Work                               |
| MANAGE CONTENT           | Marketing                     |                        |                             |               |           | #Other's Work                                       |
| Files                    | Samples                       |                        |                             |               |           | Monitoring apps                                     |
| Content Libraries        | <ul> <li>DataFiles</li> </ul> |                        |                             |               |           | Everyone  |
| Folder Connections       | + Excel                       |                        |                             |               |           |   |
| Extensions               | Includes                      |                        |                             |               |           |   |
| MANAGE RESOURCES         | QVD<br>+ QlikView             |                        |                             |               |           |   |
| Issues                   | + SAP-BI                      |                        |                             |               |           |   |
| Publication History      | T SAPOI                       |                        |                             |               |           |   |
| Global Standards         |                               |                        |                             |               |           |   |
| CONFIGURATION            |                               |                        |                             |               |           |   |
| Servers                  |                               |                        |                             |               |           |   |
| Users                    |                               |                        |                             |               |           |   |
| Groups                   |                               |                        |                             |               |           |   |
| Business Units           |                               |                        |                             |               |           |   |
| Options                  |                               |                        |                             |               |           |   |





#### **Version Comparisons**

- Compare two versions
- Colour coded changes ٠ Added: Green Deleted: Red Changed: Blue
- Changes in layouts ٠
- Changes in scripts
- Changes in Variables ٠
- Changes in Sheets ٠

#### **=**biexperts 00 QSENSE-DEV Ebiexperts Sense Demo Edit Versions Compare Versions Issues Files

| BOARDS              | Only Difference Expand All Collapse Al |               |   |               |           |
|---------------------|--|---------------|---|---------------|-----------|
| Kanban Board        | Ebiexperts Sense Demo.qvf V1.0.2       | Value Left    | Ebiexperts Sense Demo.qvf V1.0.3<br>Variables | Value Right   | Diff      |
| Kanbarr Board       |  |               | v Environment                                 |               | equals    |
| Dashboard           | v_Environment                          |               |   |               | onlyleft  |
| MANAGE CONTENT      | Name                                   | v_Environment | Name  |               | onlyleft  |
| WANAGE CONTENT      | IsConfig                               | False         | IsConfig                                      |               | onlyleft  |
| Files               | IsReserved                             | False         | IsReserved                                    |               | onlyleft  |
| Content Libraries   | IsScriptCreated                        | False         | IsScriptCreated                               |               | onlyleft  |
|                     | v_Language                             |               | v_Language                                    |               | equals    |
| Folder Connections  | Name                                   | v_Language    | Name  | v_Language    | equals    |
| Extensions          | IsConfig                               | False         | IsConfig                                      | False         | equals    |
| MANAGE RESOURCES    | IsReserved                             | False         | IsReserved                                    | False         | equals    |
|                     | IsScriptCreated                        | False         | IsScriptCreated                               | False         | equals    |
| Issues              | S v_Environment                        |               | v_Environment                                 |               | onlyright |
| Publication History | Name                                   |               | Name  | v Environment | onlyright |
| Global Standards    |  |               |   |               |           |
| CONFIGURATION       |  |               |   |               |           |



Servers Users

Home

≡

Groups

**Business Units** 

Options



Admin 👳 EBIWIN2016\ebidev 📦



### **Complexity Analysis**

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

| /ERSION | NS - COM | PLEXITY | ANALYSI | 5       |        |        |        |           |         |         |        |         |         | Pro | operties       |
|---------|----------|---------|---------|---------|--------|--------|--------|-----------|---------|---------|--------|---------|---------|-----|----------------|
| Version | Descrip  | Comp I  | Size    | Session | # Tbls | # Flds | # Rows | Cardi %   | # Sheet | # Objec | # Expr | Set Ana | Long Ex |     | Identification |
| T       | T        | T       | T       | T       | T      | T      | T      | T         | T       | τ       | T      | T       | T       |     |                |
| 1.0.3   |          | 0.00    | 0.14    | 0       | 1      | e      | 0.00   | 37.20     | 2       | 2       | 2      | . (     | 0 0     |     | Versions       |
| 1.0.2   |          | 0.00    | 0.14    | 0       | 1      | e      | 5 0.00 | 37.20     | ) 1     | 1       | 1      | (       | 0 0     |     | Impact Analy   |
| 1.0.1   |          | 3.00    | 500.00  | 100     | 1      | e      | 638.00 | 23,700.00 | 0 0     | c c     | c      | ) (     | 0 0     |     | inipact Analy  |
| 1.0.0   |          | 0.00    |         |         |        |        |        |           |         |         |        |         |         | En  | vironment      |
|         |          |         |         |         |        |        |        |           |         |         |        |         |         |     | Publication H  |
|         |          |         |         |         |        |        |        |           |         |         |        |         |         |     | Destinations   |
|         |          |         |         |         |        |        |        |           |         |         |        |         |         |     | Variables      |
|         |          |         |         |         |        |        |        |           |         |         |        |         |         |     | Connections    |
|         |          |         |         |         |        |        |        |           |         |         |        |         |         | v   | Complex Ana    |

#### VERSIONS - COMPLEXITY ANALYSIS

ication & Check-Out ns t Analysis 00 QSENSE-DEV 🛟 ation History ations les ctions ex Analysis





#### **Environment Checklists & Complexity**

- **Publication Comments**
- Environment publication workflow as per ٠ workflow
- Quality Control Checklists per publication ٠ environment

**Required checks** 

Additional process related checks

- Complexity Analysis validations before • applications can be published
- **Request Dispensation** ٠

| File                           |   | Environments          | 00 Q S E N S E-D E V | 01 Q S E N S E-U A T    | 02-Q S E N S E-P R D |
|--------------------------------|---|-----------------------|----------------------|-------------------------|----------------------|
|                                | VM_DL03_DASHBOARD.qvf V1.0.47                           | DEV      UAT      PRD | Pass                 | Pass                    | Fail                 |
|                                |   |                       | 02-QSENSE-PRD - Comp | exity Analyzer:         |                      |
|                                |   |                       | Name Co              | Size Ses # T # F # R Ca | # S # O # F Set Lon  |
|                                |   |                       | VM_DL03_DAS 0.0      | 00 0.16 0 3 20 0.00 0   | 0.16 2 2 2 0 0       |
|                                |   |                       |                      |                         |                      |
|                                |   |                       |                      |                         |                      |
| Publish Comment*               |   |                       |                      |                         |                      |
|                                |   |                       |                      |                         |                      |
|                                |   |                       |                      |                         |                      |
| Publication Type               | Immediate   |                       |                      |                         | é                    |
|                                |   |                       |                      |                         |                      |
| Select Publication Environment | 00 QSENSE-DEV, 01 QSENSE-UAT, 02-QSE                    | NSE-PRD -             |                      |                         |                      |
|                                | <ul> <li>Reload Automatically Once Published</li> </ul> | d                     |                      |                         |                      |
| Publish Check-List             | All unused fields removed                               | 0                     |                      |                         |                      |
|                                | Script optimization performed                           | 0                     |                      |                         |                      |
|                                | I confirm I have optimized all scripts                  | 0                     |                      |                         |                      |
|                                | I confirm I have run DocAnalyzer                        | 0                     |                      |                         |                      |
|                                | I confirm I have removed all unused                     | fields 🌔              |                      |                         |                      |
|                                | I confirm I have applied all DocAnaly                   | zer recommendations   |                      |                         |                      |
| Publish Back Publications      |   |                       |                      |                         |                      |



Publis



### **Publication History**

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

| Ebiexperts 00 QSEN   | SE-DEV                 |               |          |                        |           |                 |                |             |                    |         | Admin 👳 EBIW             | /IN2016\ebidev    |
|----------------------|------------------------|---------------|----------|------------------------|-----------|-----------------|----------------|-------------|--------------------|---------|--------------------------|-------------------|
| Home Publish History |                        |               |          |                        |           |                 |                |             |                    |         |                          |                   |
| _                    |                        |               |          |                        |           |                 |                |             |                    |         |                          |                   |
| =                    | From Date:             |               |          | To Date:               |           |                 |                |             |                    |         |                          |                   |
| BOARDS               | 16/10/17               |               | <b>#</b> |                        |           | <b>#</b>        | Find           |             |                    |         |                          |                   |
| Kanban Board         | Creation Date          | Publish By    |          | Publication Type       |           | Publication Sta | itus           | Description |                    | Publica | ation Date               | Command Line      |
| Dashboard            |                        |               |          |                        |           |                 |                |             |                    |         |                          |                   |
| MANAGE CONTENT       | 2017/10/30 10:30:29 AM | EBIWIN2016\eb | idev     | Immediate              |           | NotPublished    |                |             |                    | 2017/10 | 0/30 10:30:31 AM         |                   |
| Files                | 2017/10/29 4:24:56 PM  | EBIWIN2016\eb | idev     | Immediate              |           | NotPublished    |                |             |                    | 2017/10 | )/29 4:24:57 PM          |                   |
|                      | 2017/10/29 2:51:27 PM  | EBIWIN2016\eb | idev     | Immediate              |           | NotPublished    |                |             |                    | 2017/10 | 0/29 2:51:29 PM          |                   |
| Content Libraries    | 2017/10/29 2:48:31 PM  | EBIWIN2016\eb | idev     | Immediate              |           | NotPublished    |                |             |                    | 2017/10 | 0/29 2:48:32 PM          |                   |
| Folder Connections   | 2017/10/25 9:03:19 AM  | EBIWIN2016\eb | idev     | Immediate              |           | NotPublished    |                |             |                    | 2017/10 | 0/25 9:03:21 AM          |                   |
| Extensions           | 2017/10/25 8:13:37 AM  | EBIWIN2016\eb |          | Immediate              |           | NotPublished    |                |             |                    |         | 0/25 8:13:38 AM          |                   |
| MANAGE RESOURCES     | 2017/10/25 8:11:31 AM  | EBIWIN2016\eb |          | Immediate              |           | NotPublished    |                |             |                    |         | 0/25 8:11:32 AM          |                   |
|                      | 2017/10/24 10:38:36 AM | EBIWIN2016\eb |          | ForApproval            |           | Published       |                |             |                    |         | 0/24 10:38:41 AM         |                   |
| Issues               | 2017/10/24 10:36:23 AM | EBIWIN2016\eb |          | ForApproval            |           | NotPublished    |                |             |                    |         | 0/24 10:36:24 AM         |                   |
| Publication History  | Rollback Publication   | PRIVINZITIKAR | mer      | Forannroval            |           | NOPHNISHM       |                |             |                    | 2017/1  | 774 TIP-98-112 AM        |                   |
| Global Standards     | Environment            | Production    |          | File                   | Published | Version         | Previous Versi | on P        | Publication Status |         | Publication Folder Paths | Publication Error |
| CONFIGURATION        | 02-QSENSE-PRD          | V             |          | VM_DL04_DASHBOARD2.qvf | 1.0.2     |                 |                | P           | ublished           |         | Stream::Monitoring apps  |                   |
| Servers              |                        |               |          |                        |           |                 |                |             |                    |         |                          |                   |
| Users                |                        |               |          |                        |           |                 |                |             |                    |         |                          |                   |
| Groups               | Rollback Version       |               |          |                        |           |                 |                |             |                    |         |                          |                   |
| Business Units       |                        |               |          |                        |           |                 |                |             |                    |         |                          |                   |
| Options              |                        |               |          |                        |           |                 |                |             |                    |         |                          |                   |





### **Global Standards**

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

|   | ≡                   |             |               |                   |                 |   |             |                  |
|---|---------------------|-------------|---------------|-------------------|-----------------|---|-------------|------------------|
|   | BOARDS              | Name        | Default Value | Environment Value | Global Standard | G | lobals      | 00 QSENSE-DEV \$ |
|   | Kanban Board        | Country     | South Africa  | South Africa      | •               | _ |             |                  |
|   | Dashboard           | Environment | DEV1          | DEV1 Edit         |                 | " | Variables   |                  |
| 4 | Dashboard           | Languages   | English       | English           |                 |   | Connections |                  |
|   | MANAGE CONTENT      |             |               |                   |                 |   |             |                  |
|   | Files               |             |               |                   |                 |   |             |                  |
|   | Content Libraries   |             |               |                   |                 |   |             |                  |
|   | Folder Connections  |             |               |                   |                 |   |             |                  |
|   | Extensions          |             |               |                   |                 |   |             |                  |
|   | MANAGE RESOURCES    |             |               |                   |                 |   |             |                  |
|   | Issues              |             |               |                   |                 |   |             |                  |
|   | Publication History |             |               |                   |                 |   |             |                  |
|   | Global Standards    |             |               |                   |                 |   |             |                  |
|   | CONFIGURATION       |             |               |                   |                 |   |             |                  |
|   | Servers             |             |               |                   |                 |   |             |                  |
|   | Users               |             |               |                   |                 |   |             |                  |
|   | Groups              |             |               |                   |                 |   |             |                  |
|   | Business Units      |             |               |                   |                 |   |             |                  |
|   | Options             |             |               |                   |                 |   |             |                  |



Globals Global Variables

Home

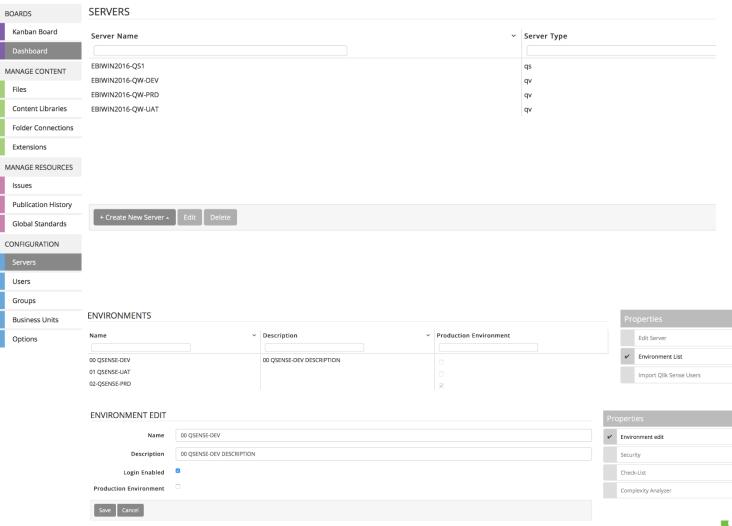


#### **Server Configuration**

Create Servers
 Configure environments
 Configure security
 Configure checklist

#### Home Servers list

#### ≡



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### **Configure Users**

• Add Users

Assign User Information Assign User Rights Review/Assign User Groups Assign User Avatar

• Import from AD

| Active Validation Required |              |              |                        |             |                                    |  |  |  |
|----------------------------|--------------|--------------|------------------------|-------------|------------------------------------|--|--|--|
| Logon Name                 | First Name   | Last Name    | Business Units         | To Validate | =                                  |  |  |  |
|                            | т            | т            | т                      |             | Clear all filters                  |  |  |  |
| Administrator              |              |              |                        |             | Custom Search                      |  |  |  |
| Regebusiness Stakeholder   |              |              | Group Sales            |             | Columns:                           |  |  |  |
| C EBIWIN2016\dev1          | dev1         | dev1         | Default, Group Sales   |             |                                    |  |  |  |
| EBIWIN2016\dev2            | dev2         | dev2         | Group Sales            |             | <ul> <li>Logon Name</li> </ul>     |  |  |  |
| EBIWIN2016\ebiadmin        | ebiadmin     | ebiadmin     | Default                |             | ✓ First Name                       |  |  |  |
| EBIWIN2016\ebidev          |              |              | Default, SAP-BI        |             | <ul> <li>Last Name</li> </ul>      |  |  |  |
| EBIWIN2016\jaabir          |              |              | Default                |             | <ul> <li>Business Units</li> </ul> |  |  |  |
| EBIWIN2016\joe01           |              |              | Group Finance, Default |             |                                    |  |  |  |
| EBIWIN2016\jpgolay         |              |              | Group Finance          |             | ✓ To Validate                      |  |  |  |
| BIWIN2016\user             |              |              | Group Sales, SAP-BI    |             | * Employee Number                  |  |  |  |
|                            |              |              |                        |             | × Description                      |  |  |  |
| 🙅 w8-hindi                 |              |              | Group Finance          |             | X Qlikview                         |  |  |  |
| <b>WIP\EBIAdmin</b>        | WIP\EbiAdmin | WIP\EbiAdmin | Default                |             | × Qliksense                        |  |  |  |





Import From Active Directory

X User Portal



### **Configure User Groups**

#### Add User Groups • Assign Users to Groups

Groups Home

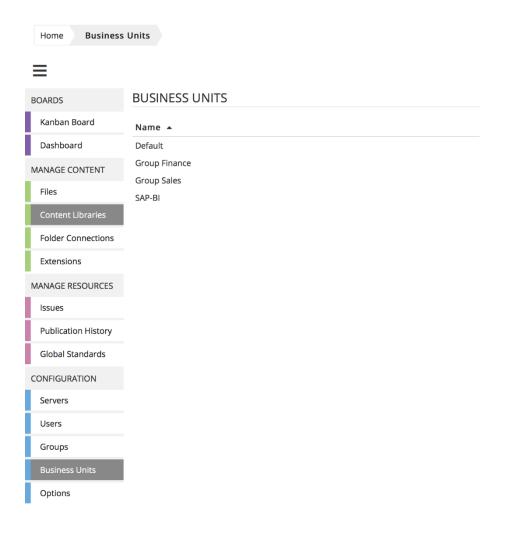
#### ≣

| BOARDS              | Name                          |                         | Administration Group |                            | Description   |
|---------------------|-------------------------------|-------------------------|----------------------|----------------------------|---------------|
| Kanban Board        | Administrators                |                         | $\checkmark$         |                            |               |
| Dashboard           | Developers                    |                         |                      |                            |               |
|                     | UAT Testers<br>PRD Publishers |                         |                      |                            |               |
| MANAGE CONTENT      | SAP Demo                      |                         |                      |                            | SAP Demo user |
| Files               | UserPortal                    |                         |                      |                            |               |
| Content Libraries   |                               |                         |                      |                            |               |
| Folder Connections  |                               |                         |                      |                            |               |
| Extensions          |                               |                         |                      | tryrty                     |               |
| MANAGE RESOURCES    |                               |                         |                      | EBIWIN2016\jaabir          |               |
| lssues              |                               |                         |                      | јрк                        |               |
| Publication History |                               |                         |                      | Craig                      |               |
| Global Standards    |                               |                         |                      | John Paul Kirton           |               |
| CONFIGURATION       |                               |                         |                      | EBIWIN2016\jpgolay         |               |
| Servers             |                               |                         |                      | EBIWIN2016/ebiadmin        |               |
|                     |                               | joe                     |                      | Marina Flint               |               |
| Users               |                               | Business Stakeholder    |                      | EBIWIN2016/dev1            |               |
| Groups              |                               | EBIWIN2016/user         |                      | VMMANAGER                  |               |
| Business Units      |                               | EBIWIN2016\ebidev       |                      | EBIWIN2016\sapdemo         |               |
| Options             |                               | Available Users Add All |                      | Allocated Users Remove All |               |
|                     |                               | Administrator           |                      |                            |               |
|                     | Description                   | Description             |                      |                            |               |
|                     | Name"                         | Developers              |                      |                            |               |



#### **Create Business Units**

Create Business Units







#### **Manage Central Configuration Options**

• Manage Central Configuration

System Rules

Licenses

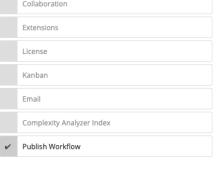
Kanban configurations

Email – SMTP Configurations

Complexity Analysis Index

Publish Workflow

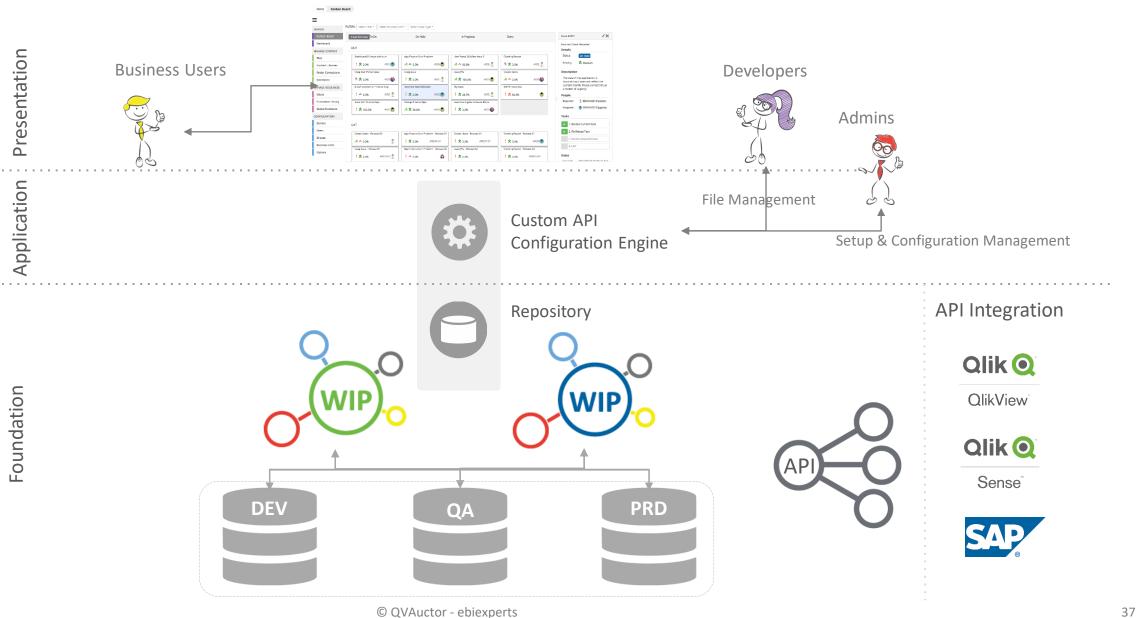






WIP Architecture

**=bi** WIP Architecture



### **=bi**experts **Agile Lifecycle Management Solution** Request - Change - Release - Quality - Publication - Audits

## Thank you for your participation Your Success S Our Success

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