Advanced Field Control Using BRF+

Consulting Services for Product Lifecycle Management – Enhancement Service for SAP Portfolio and Project Management
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Advanced field control using BRF+ service

The “advanced field control using BRF+”* enhancement service allows you to easily modify the configuration of standard and custom fields, toolbar buttons, and tabs on all common object instance floorplan (OIF) screens in the SAP Portfolio and Project Management application. The configuration is derived from business rules modeled within BRF+. You can define rules based on several parameters (for example, PFCG**-defined roles, activities, or item types) that are passed to BRF+ by the solution.

* BRF+ = Business Rules Framework Plus
** PFCG = Transaction code for managing roles
Advanced field control using BRF+

Our service

- An implementation-ready solution
- Implementation of the solution
- Documentation of the solution
- Optional online scoping session and presentation at your site
Advanced field control using BRF+

Functionality

Key features
- Field configuration based on BRF+
- Easy definition of rules in a Web interface without coding
- Screens of all common portfolio management objects covered
- Configurability of fields, toolbar buttons, and tabs
- Ability to model rules based on several provided parameters
Advanced field control using BRF+
Challenges of common business rule approaches

Automated enforcement

Rules inside database
- Triggers
- Stored procedures

Rules inside code
- Agility
- Visibility for business
- Changes

Non- or semi-automated

Rules as tacit knowledge
- Business user
- Business analyst
- Business expert

Rules inside documents
- Costs
- Archiving
- Backups
- Compliance
Advanced field control using BRF+
What is BRF+?

Advantages

- Separation of program code and business rules
  - Rules can be changed without programming.
  - Business users instead of programmers can define and maintain rules.
  - Rule changes can be carried out faster and at lower cost.

- BRF+ = part of the SAP NetWeaver technology platform
  - No additional hardware, installation, maintenance, or license is needed.

BRF+

Business rules management system (BRMS)

Business application

- Process
- Rules
- Data

Usage of database

Usage of BPMS* and BRMS

Business application

- Process
- Rules
- Data

* Business process management system
Advanced field control using BRF+

Rule definition – objects

Complex rules can be built using:

- **Expressions**: decision table, decision tree, formula, ABAP call, …
- **Actions**: send e-mail, write log, change output variable, …

Custom expressions and actions can be created.
Advanced field control using BRF+
Rule definition – tools

Workbench

Simulation

Code generation

Versioning

Catalog and personalization
Advanced field control using BRF+
Configurable screens and screen elements

Configurable screens: detail screen of portfolio, bucket, collection, review, what-if scenario, item, initiative, decision point
# Advanced field control using BRF+

## Field configuration options

<table>
<thead>
<tr>
<th>Screen element</th>
<th>Configuration options</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Standard and customer fields</strong></td>
<td>Invisible</td>
</tr>
<tr>
<td></td>
<td>Read only</td>
</tr>
<tr>
<td></td>
<td>Input mode</td>
</tr>
<tr>
<td></td>
<td>Required</td>
</tr>
<tr>
<td><strong>Long text fields</strong></td>
<td>Invisible</td>
</tr>
<tr>
<td></td>
<td>Read only</td>
</tr>
<tr>
<td></td>
<td>Input mode</td>
</tr>
<tr>
<td><strong>Toolbar buttons, button choices</strong></td>
<td>Invisible</td>
</tr>
<tr>
<td><strong>Tabs (main and sub-views)</strong></td>
<td>Invisible</td>
</tr>
<tr>
<td><strong>Menus</strong></td>
<td>Invisible</td>
</tr>
</tbody>
</table>
Advanced field control using BRF+
Rule definition – decision table

Field configuration rules can be defined in a BRF+ decision table.

Example: if object type = initiative and field = priority and role = portfolio-manager then field state = required

Every condition can use 10 provided parameters, with wild cards possible.

<table>
<thead>
<tr>
<th>Condition</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Decision Table

<table>
<thead>
<tr>
<th>Field Configuration</th>
<th>Display Mode</th>
<th>Active</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Object Type**
- **Field**
- **Port. Type**
- **Bucket ID**
- **Item Type**
- **Status**
- **Decision**
- **Status**
- **Activity**
- **Name**
- **State**
- **Prio**
Advanced field control using BRF+
Microsoft Excel export and import

For easy configuration, the decision table can be maintained with Microsoft Excel.
Advanced field control using BRF+

Your advantages

- Easy field configuration based on rules and the BRMS from SAP
- Rule definition in a Web interface without programming skills
- Rule maintenance possible using Excel
- Rule conditions based on 10 different parameters
- Configuration of different types of screen elements
Advanced field control using BRF+
Extended, flexible, and modern rule-based screen configuration

Advanced field control using BRF+ enables the extended field configuration of portfolio management screens based on rules defined in BRF+. The solution empowers users to change the configuration without coding or customizing work – enhancing flexibility and lowering maintenance costs.

**Business challenges**
- Screen elements (fields, buttons, tabs) have to be configured differently according to roles, activities, portfolio types, item types, status, and so on.
- Configurations have to be easily changeable, preferably without the need to change coding or complex customizing tables.

**Key features**
- Field configuration based on Business Rule Framework plus (BRF+)
- Easy definition of rules in a Web interface without coding
- Ability to upload rules from Excel
- Screens of all common portfolio management objects covered
- Configurability of fields, button toolbars, and tabs
- Ability to make rules dependent on several parameter

**Business benefits**
- Extended screen configuration possibilities in one place
- Rule definition and changes possible without technical skills
- Ability to carry out rule changes faster and at lower cost

**Availability, technical details**
- Availability for SAP Portfolio and Project Management for SAP S/4HANA 1.0 and SAP Portfolio and Project Management 5.0, 6.0, and 6.1
- Delivery through transport
- Components: business add-in (BAdi) implementations, Web Dynpro enhancements, and BRF+ objects

**Links**
- SAP Note 1877617
- Contact: PLMServices@sap.com
- More information: PPM services
Thank you.

Contact information:

**PPM Services**
Please contact: **PLMServices@sap.com**

Take a look at our [external services page](#) for more information on PPM services.