

Progress Developer Studio in a Team

Consultingwerk Ltd.

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- Independent IT consulting organization
- Focusing on OpenEdge and .NET
- Located in Cologne, Germany
- Customers in Germany, EMEA, USA
- Vendor of tools and consulting programs (specialized on GUI for .NET, Modernization)
- 10 years of Progress experience (V10 ... V11.2)

Where are you today?

- Who is using PDSOE
- Who is using any kind of SCM tool

Agenda

- Overview Workspace / Project
- The don'ts of Network
- SCM Tools
- Workspace resources to be shared
- Project resources to be shared
- Demo
- Advantages of SCM
- Bugtracking integration with MyLyn

Overview Workspace / Project

- What is
 - Workspace
 - Project

Overview Workspace / Project

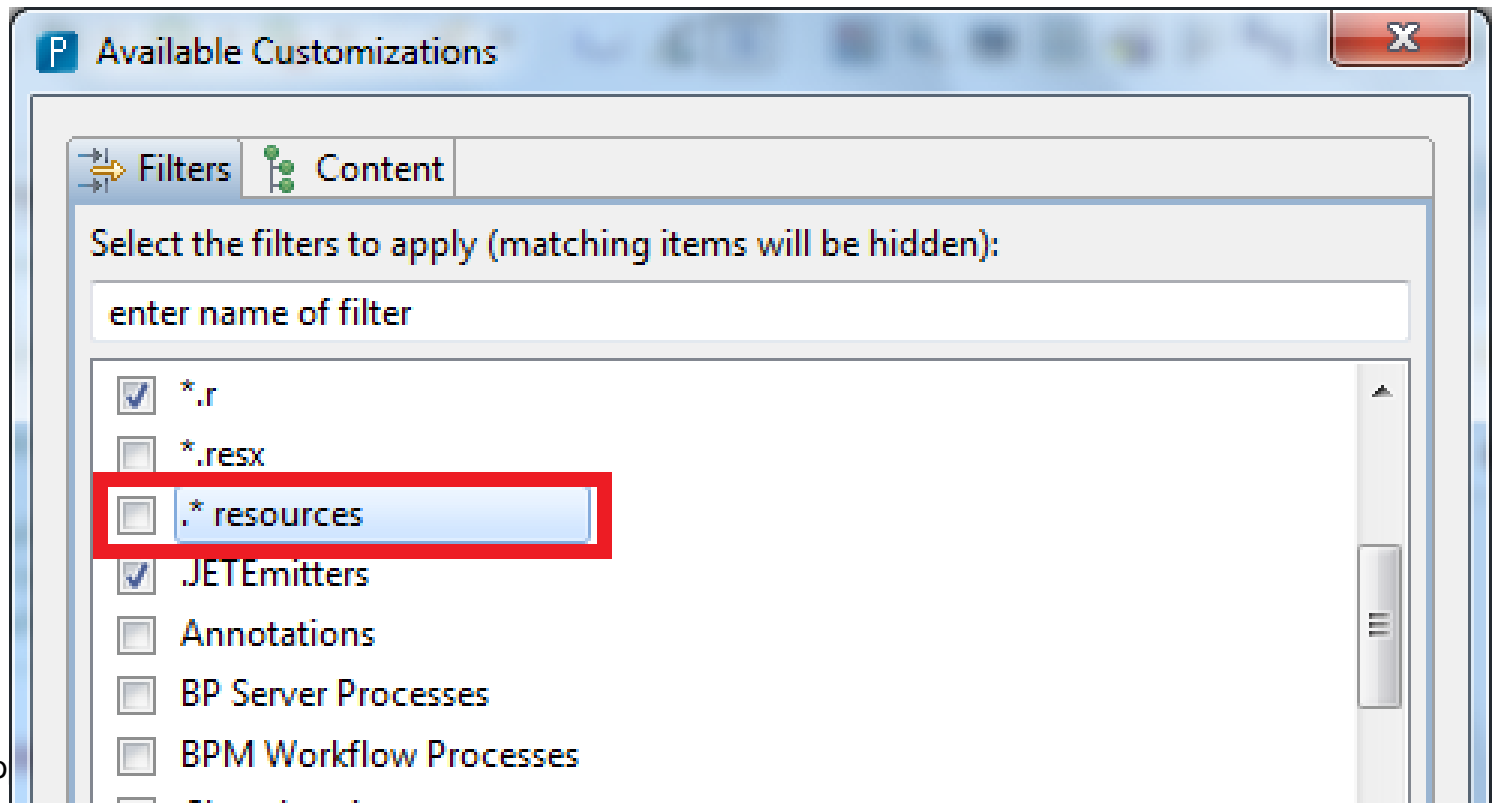
- Workspace
 - It is a personal thing 😊
 - Your preferred settings are in there
 - Can only be opened once at a time
 - I consider it to be something local makes it faster
 - No real need for a backup

Overview Workspace / Project

- Project
 - Shared with other developers
 - Settings for the Application are in there
 - Should be backed up
 - Multiple projects in one workspace

Overview Workspace / Project

- To be able to see all the needed resources to be shared you will have to customize the Resource View to show .* resource again



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The don'ts of Network

- Workspace on a share
 - Bad performance because of a lot of small files
 - Reading and updating of a lot of files all time
 - The Workspace can only be opened in one session so no sharing option

The don'ts of Network

- Project on a share
 - I know it was no problem with AppBuilder and the Compiler
 - Eclipse caches files (hashes) and does not like if the filesystem is not in sync
 - Files not in sync are skipped in Filesearch and Compile and there might be more

The don'ts of Network

- A Workaround could be to turn on “refresh automatically” but ...
 - One drawback is that it is dependent on the type and age of fileserver
 - we have observe critical bad performance

The don'ts of Network

- “refresh automatically” combined with “compile automatic”
 - When combined, the negative performance effect for procedural code is limited to “bad performance”
 - For classbased and specially GUI for .NET code the consequences may even be more bad

The don'ts of Network

- classbased and specially GUI for .NET code
 - Having to recompile classbased code multiple times or completely loosing the visual designer usability as every compiler session may have different junks of r-code in memory and there may be more drawbacks

The don'ts of Network

- Conclusiones
 - We have seen teams who did not want to use an SCM tool, cause the old way is so well known
 - After some days of power usage of PDSOE and GUI for .NET they changed their mind and could no longer live without it

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- **SCM Tools**
 - Workspace resources to be shared
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SCM Tools

- Perforce (perforce.com/)
 - That's what we use and will be shown in the demo
- SVN (subversion.tigris.org/
subversion.apache.org/)
 - Used in customer Projects
- Roundtable / Roundtable-team (<http://tugboatsoftware.com>)
 - Used by some of our customers
 - They are around at PUG Challenge

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Workspace resources to be shared

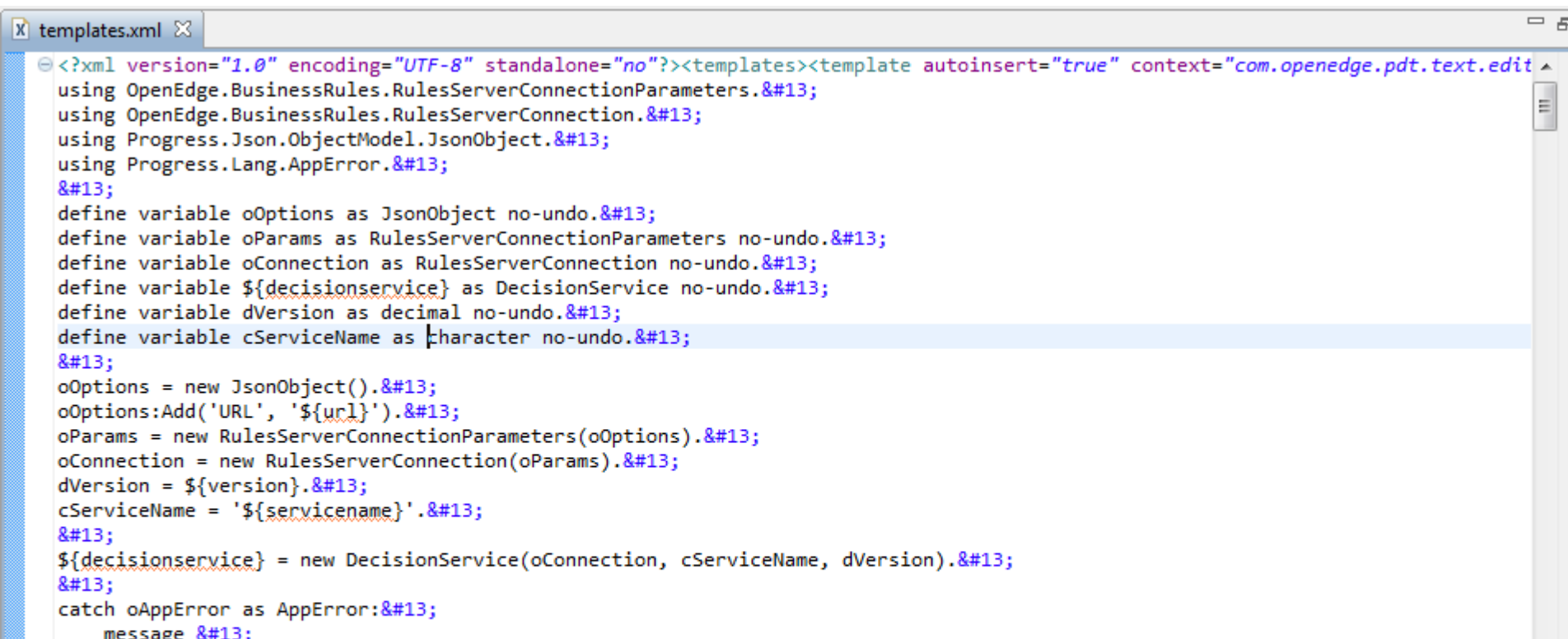
- Connection.xml
 - List of DB connections defined in a workspace

A screenshot of a code editor window titled 'connection.xml'. The editor displays XML code for a database connection. The code is as follows:

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<root xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:noNamespaceSchemaLocation="schema/databaseConnection.xsd">
  <databaseconnection identifier="sports2000">
    <name>sports2000</name>
    <description/>
    <physicalname>DB\sports2000.db</physicalname>
    <logicalname/>
    <aliases/>
    <group/>
    <host>localhost</host>
    <service>25123</service>
    <userID/>
    <password/>
    <connectionparameters/>
    <SQLIdentifier/>
    <autoStartServer>true</autoStartServer>
    <serverParameters>-db DB\sports2000.db -S 25123 </serverParameters>
    <autoShutdownServer>true</autoShutdownServer>
    <OEVersion>11.3</OEVersion>
  </databaseconnection>
</root>
```

Workspace resources to be shared

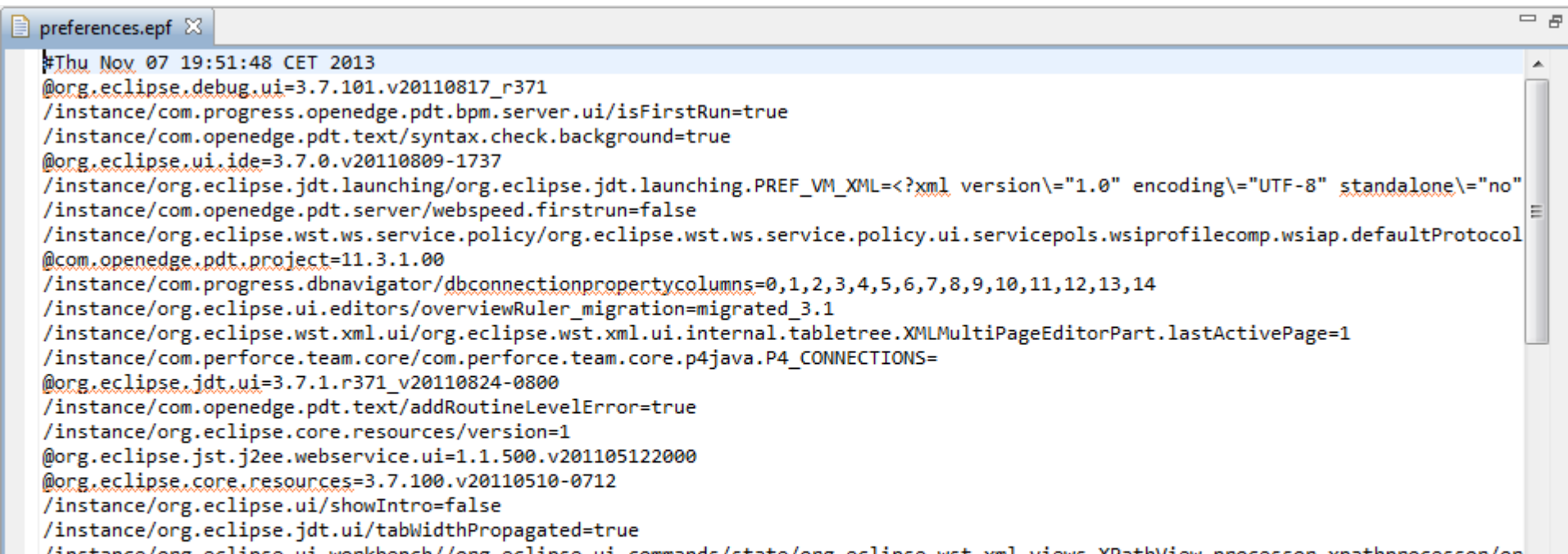
- template.xml
 - Editor macros for faster /easier coding and commenting



```
<?xml version="1.0" encoding="UTF-8" standalone="no"?><templates><template autoinsert="true" context="com.openedge.pdt.text.edit">
using OpenEdge.BusinessRules.RulesServerConnectionParameters.&#13;
using OpenEdge.BusinessRules.RulesServerConnection.&#13;
using Progress.Json.ObjectModel.JsonObject.&#13;
using Progress.Lang.AppError.&#13;
&#13;
define variable oOptions as JsonObject no-undo.&#13;
define variable oParams as RulesServerConnectionParameters no-undo.&#13;
define variable oConnection as RulesServerConnection no-undo.&#13;
define variable ${decisionervice} as DecisionService no-undo.&#13;
define variable dVersion as decimal no-undo.&#13;
define variable cServiceName as Character no-undo.&#13;
&#13;
oOptions = new JsonObject().&#13;
oOptions:Add('URL', '${url}').&#13;
oParams = new RulesServerConnectionParameters(oOptions).&#13;
oConnection = new RulesServerConnection(oParams).&#13;
dVersion = ${version}.&#13;
cServiceName = '${servicename}'.&#13;
&#13;
${decisionervice} = new DecisionService(oConnection, cServiceName, dVersion).&#13;
&#13;
catch oAppError as AppError:&#13;
    message &#13;
```

Workspace resources to be shared

- Custom set of templates for Methods, Properties, Classes, ...
- preferences.epf
 - All settings of a workspace



```
preferences.epf x
#Thu Nov 07 19:51:48 CET 2013
@org.eclipse.debug.ui=3.7.101.v20110817_r371
/instance/com.progress.openedge.pdt.bpm.server.ui/isFirstRun=true
/instance/com.openedge.pdt.text/syntax.check.background=true
@org.eclipse.ui.ide=3.7.0.v20110809-1737
/instance/org.eclipse.jdt.launching/org.eclipse.jdt.launching.PREF_VM_XML=<?xml version\="1.0" encoding\="UTF-8" standalone\="no"
/instance/com.openedge.pdt.server/webspeed.firstrun=false
/instance/org.eclipse.wst.ws.service.policy/org.eclipse.wst.ws.service.policy.ui.servicepols.wsiprofilecomp.wsiap.defaultProtocol
@com.openedge.pdt.project=11.3.1.00
/instance/com.progress.dbnavigator/dbconnectionpropertycolumns=0,1,2,3,4,5,6,7,8,9,10,11,12,13,14
/instance/org.eclipse.ui.editors/overviewRuler_migration=migrated_3.1
/instance/org.eclipse.wst.xml.ui/org.eclipse.wst.xml.ui.internal.tabletree.XMLMultiPageEditorPart.lastActivePage=1
/instance/com.perforce.team.core/com.perforce.team.core.p4java.P4_CONNECTIONS=
@org.eclipse.jdt.ui=3.7.1.r371_v20110824-0800
/instance/com.openedge.pdt.text/addRoutineLevelError=true
/instance/org.eclipse.core.resources/version=1
@org.eclipse.jst.j2ee.webservice.ui=1.1.500.v201105122000
@org.eclipse.core.resources=3.7.100.v20110510-0712
/instance/org.eclipse.ui/showIntro=false
/instance/org.eclipse.jdt.ui/tabWidthPropagated=true
/instance/org.eclipse.ui.workbench/org.eclipse.ui.commands/state/org.eclipse.wst.xml.views.XPathView.processor.xpathprocessor/
```

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Project resources to be shared

- What is a Project config and why do I need one?
- PROPATH (.propath)
 - exclude from build / tooling
- project.xml
 - Parameters
 - Settings

Project resources to be shared

- Assemblies.xml
- Toolbox.xml
 - Initially a standard set of Tools
 - Important for deployment and licensing so you want to control what is in (write protection)
 - Tools in Toolbox can define a company standard
- “External Tools” and “Run-configurations” can be stored as shared files

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Demo

- Share Demo-Project
- Get Demo-Project on another machine
- Sync Changes
- Merge Changes

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Advantages of SCM

- Resources can be shared with other developers
- Reduces the time needed to setup new development environments
- Reduces the risk of failures in the configuration

Advantages of SCM

- You can see and review what is changed
- Possibility of selective rollouts using branches
 - Trunk
 - Stable (maybe Customer)
 - Feature
 - Bugfix
- Makes you more productive 😊

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Bugtracking integration with MyLyn

- Why do I need that?
- MyLyn (Eclipse Plugin) can be used as an Adapter to many Bugtracking systems
- MyLyn tracks the changed files as a context and can attach this to a bug
- Makes it easy to switch between bugs and have the same context opened again

The screenshot displays the Progress Developer Studio interface. The main window is titled "SMARTDOX-80: Indication of Final classes/methods". It shows a JIRA issue with the following details:

- Issue SMARTDOX-80** (Consultingwerk JIRA)
- Indication of Final classes/methods**
- Status: Open | Created: 18.10.2013 | Modified: 18.10.2013 19:07
- Reported by: Mike Fechner | Assigned to: Sebastian Düngel

Attributes:

Project:	SmartDox	Priority:	Major
Type:	Bug	Due Date:	11.11.2013
Estimate:	0m	Time Spent:	0m
Affects Versions:		Components:	
Fix Versions:		Labels:	

Description:

Fixed in latest release of PCT from Gilles Querret

Sebastian, please implement in SmartDox.

The right-hand pane shows a "Task List" with various tasks, including:

- SCL-123: SmartBusinessEntityLookup should be able to provide additional...
- SCL-20: Implementation Menu Security
- SCL-112: Unable to create a translation of a error message
- SCL-55: SmartComponents.Web
- SCL-37: HTML/Ribbon/DOM Synchronization
- SCL-44: SmartComponentsWeb: Enable the usage of specialized S...
- SCL-45: SmartComponentsWeb : Enable the usage of JavaScript fi...
- SCL-46: SmartComponentsWeb : Enable the usage of specialized !
- SCL-47: SmartComponentsWeb : Enable the usage of JavaScript fi...
- SCL-69: Implement a unknownvalue property for web textbox
- SCL-61: Rendering of the Taskbar Menu
- SCL-59: Documentation
- SCL-110: SmartFramework – Menu Structure Maintenance, allow curs...
- SCL-114: Initial sort of Menu Structures
- SCL-118: Service zum Maintenance der verfügbaren IFunctionCallPara...
- SCL-120: Add the ability to create new functions of type InvokeService...
- SCL-121: Add the ability to create new functions of type InvokeStaticM...

At the bottom of the task list, there is a summary for "SMARTDOX" and a memory usage indicator: "114M of 161M".

The screenshot displays the Progress Developer Studio interface. The main window is titled "Planning - Indication of Final classes/methods - Progress Developer Studio". The menu bar includes File, Edit, Navigate, Search, Project, Extensibility, Window, and Help. The toolbar contains various icons for file operations and navigation.

The left pane shows the JIRA issue "Issue SMARTDOX-80" from "Consultignwerk JIRA". It includes a "Duplicate Detection" section, an "Attachments (0)" section, a "New Comment" section with the text "This should be fixed before releasing the new SmartDox OSS code.", and a "Work Log (0)" section. The "Actions" section has radio buttons for "Leave as Open", "Vorgang lösen", and "Vorgang schließen", along with a "Submit" button and an "Attach Context" button. The "People" section shows "Assigned to: sebastian" and "Reported by: Mike Fechner".

The right pane shows a "Task List" window with a search bar and a list of tasks. The tasks include:

- SCL-123: SmartBusinessEntityLookup should be able to provide additional...
- SCL-20: Implementation Menu Security
- SCL-112: Unable to create a translation of a error message
- SCL-55: SmartComponents.Web
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The task list is grouped under "SmartDox [Consultignwerk JIRA]" and "Unmatched [Consultignwerk JIRA]". The status bar at the bottom indicates "149M of 240M".

Questions



Thank you!