

# Use of ITS in cProjects to Call Direct R/3 Transaction



## Applies to:

SAP ECC 6.0, cProjects 4.5. For more information, visit the [Product Lifecycle Management homepage](#).

## Summary

The cProjects suite is a Web-based, flexible, easy-to-use project management application that is specifically designed for development, consulting, or IT projects. In cProjects, you can also map improvement projects, for example, in accordance with Six Sigma. An important advantage is that cProjects is integrated in SAP Accounting, Human Resources, Customer Relationship Management, Supplier Relationship Management and order processing. With the help of object link functionality in cProjects, it can be integrated to other SAP R/3 modules. SAP has delivered some standard object link functionality in cProjects which is not enough to link the cProjects (task) with other modules like recipe and specification management etc. If you come to the situation in your project where you want to link the cProjects with other modules which is not provided by SAP as object link functionality, at the same time you and your client doesn't want the big development. The best way to overcome this situation is use the ITS functionality to address these kind of issues.

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## Author Bio



Nitin Bhagat is working on SAP PLM area for the last 4 years; He has MTech from Indian Institute of Technology, Kanpur India (IITK). And has implemented SAP PLM modules in process, pharma, IT and product safety industry. He has expertise in SAP cProjects, xRPM,xPD,DMS,cFolders and ECM. His main area of interest is SAP PLM.

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## 1. Introduction

SAP PLM is part of the SAP Business Suite, which gives organizations the unique ability to perform their essential business processes and to work with other SAP and non-SAP software. To work most effectively with suppliers, vendors and partners, SAP PLM is the way to go. The time for SAP PLM is now, if you plan to remain unbeaten in the current competitive scenario.

**SAP cProjects (Collaboration Projects)** is the SAP web-based application for project planning, scheduling, resources management and costing across internal and external partner. It allows project manager to control project structures, schedules, costs and resources. It is a tool which supports flexible project management. To integrate SAP cProjects with other SAP modules there is functionality called object link. If the standard object is not there in list, you can develop object links with cProjects, but it will take time and cost to address the issue.

SAP has also delivered a very good functionality called ITS (Internet Transaction Server), which is useful to call the SAP R/3 transaction directly from SAP cProjects. It enables Internet (and Intranet) users to communicate directly between R/3 systems to run R/3 transactions. It is the interface between the Internet and R/3 and is the runtime engine that links Web server to the R/3 Application server.

## 2. Business Scenario

This is just an example which I am giving here. You can use this functionality for other requirement also.

Suppose the client is using SAP cProjects 4.5 functionality which is used to manage the project and allocate the resources on project. If client ask you to have recipe workbench directly link with cProjects task, at this time you will search the available standard object provided by SAP to link with cProjects. SAP has not provided any object related to SAP recipe workbench. You will think to develop the object related to SAP recipe workbench and then link it with cProjects. The development for object is a very time consuming and need rigorous testing. The cost is also a main factor to go for development.

To overcome this problem, you can use ITS functionality with cProjects. It gives you ability to call recipe workbench transaction (RMWB) directly in SAP cProjects (task/Phase).

## 3. ITS configuration

The SAP Internet Transaction Server (ITS) is the essential link between the SAP R/3 system and the Internet.

Call the t-code **SICF**.

Put there hierarchy type as service.

Program Edit Goto System Help

**Maintain Services**

Filter for Calling ICF Hierarchy

Hierarchy Type	SERVICE
Virtual Host	
Service Path	
Service Name	
PA_RFSRV	
Description	
Language	EN English

Filter for Detail Information

Created By		
Created On		to
Last Changed By		
Changed On		to

Execute it and do the following steps

Go to: **Default host → SAP → BC → GUI → SAP → ITS**

Service/Host Edit Goto Client System Help

**Maintain service**

Create Host/Service External Aliases System Monitor Inactive

Filter Details

Virtual Host		Service Path	
Service			
Description			
Lang.	EN English	Ref.Service:	

Filter Reset Detail

Viruelle Hosts / Services	Documentation	Referenz Service
graphics	General handler for graphic applets	
gui	ITS-Based GUI Services	
sap	SAP Namespace for ITS-Based GUI Services	
its	<b>ITS Directory</b>	
alinkviewer	ArchiveLink Viewer	
AS01_ISR		
AS02_ISR		
ASCC	ASCC "Assets of My Cost Center"	
ASEM	ASEM "My Fixed Assets"	
ASR_START_ATT	Display Attachment	

Then right click on ITS Directory and click on New Sub Element

Service/Host Edit Goto Client System Help

Maintain service

Create Host/Service External Aliases System Monitor Inactive

Filter Details

Virtual Host Service Path

Service

Description

Lang. EN English Ref.Service:

Filter Reset Detail

Virtuelle Hosts / Services	Documentation	Referenz Service
graphics	General handler for graphic applets	
gui	ITS-Based GUI Services	
sap	SAP Namespace for ITS-Based GUI Services	
its	ITS Directory	
alinkviewer	ArchiveLin	
AS01_ISR		
AS02_ISR		
ASCC	ASCC "As	
ASEM	ASEM "My	
ASR_START_ATT	Display At	
ASR_START_DAB	Start Direc	
ASR_START_DPF	Start Digit	

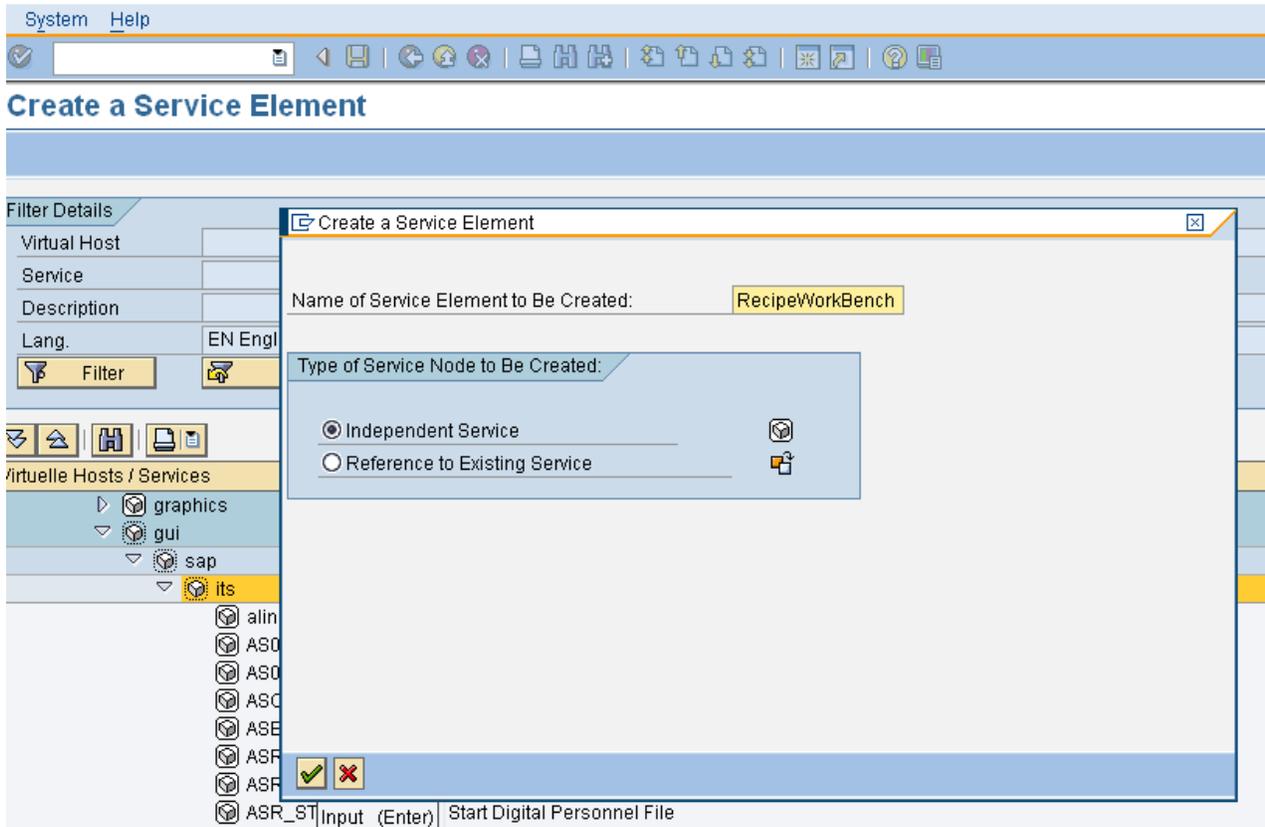
New Sub-Element

- Display Service
- Delete Service
- Rename Service
- Activate Service
- Deactivate Service
- Test Service

A message will pop up, press continues. You will get the screen of create service element.

Put the name of the service element as RecipeWorkbench (you can put any name related to the object which you want to link) and select the service as Independent Service and continue it.

**Tips:** No special character allows while giving the name



You will get the screen of Create/Change Service. In this screen , under the interactive options make the GUI LINK as YES.

## Create/Change a Service

Path

Service Name  Service (Inactive)

Lang.  (Not maintained) Other Languages

**Description**

Description 1

Description 2

Description 3

Service Data Logon Data Handler List Error Pages Administration

**Service Options**

Do Not Include Inherited Settings

Load Balancing

SAP Authoriz.

Session Timeout  (HH:MM:SS)

Compression

**Interactive Options**

GUI Link

Support Accessibility

GUI Configuration

Click on GUI Configuration tab. You will get the screen where you have to put the

**Parameter Name    Value**

**~Webgui            1**

**~Transaction       RMWB**

Transaction as RMWB (any transaction for which you want the link Ex. MM02, QP01 etc..) and say continue.



## Create/Change a Service

 	
Path	/default_host/sap/bc/gui/sap/its
Service Name	RecipeWorkBench <input type="checkbox"/> Service (Inactive)
Lang.	EN English <input type="checkbox"/> (Not maintained) <a href="#">Other Languages</a>
Description	
Description 1	<input type="text"/>
Description 2	<input type="text"/>
Description 3	<input type="text"/>
<a href="#">Service Data</a> <a href="#">Logon Data</a> <a href="#">Handler List</a> <a href="#">Error Pages</a> <a href="#">Administration</a>	
Procedure	Standard <input type="checkbox"/>
<input type="checkbox"/> Use All Logon Procedures	
Logon Data	
Client	<input type="text"/>
User	nitinb
Password	*****
Language	<input type="text"/> <input type="checkbox"/>
Password Status	Initial
Security Requirement	
<input checked="" type="radio"/> Standard	<input type="radio"/> SSL
Authentication	
<input checked="" type="radio"/> Standard SAP User	<input type="radio"/> Internet User

Click on the tab Handler List;

Put the handler list as **Handler List** → **CL\_HTTP\_EXT\_ITS**

## Create/Change a Service

Path: /default\_host/sap/bc/gui/sap/its

Service Name: RecipeWorkBench  Service (Inactive)

Lang.: EN English (Not maintained) [Other Languages](#)

Description

Description 1:

Description 2:

Description 3:

Service Data | Logon Data | **Handler List** | Error Pages | Administration

Handler List (in Order of Execution)

N	Handler
1	CL_HTTP_EXT_ITS
2	
3	
4	
5	
6	
7	

Put some description at the start of configuring ITS or it will ask you to put some description while saving it.

We have given the description as Recipe Workbench1.

Save it in local package.

Then go back (press F3).

Now you can see the link under ITS as recipe workbench1

## Maintain service

Create Host/Service External Aliases System Monitor Inactive

Filter Details

Virtual Host:  Service Path:

Service:

Description:

Lang.: EN English Ref.Service:

Filter Reset Detail

Virtuelle Hosts / Services	Documentation	Referenz Service
PZ81	ESS Expense Information(South Korea)	
PZ88	IN: Section 80C Deduction Details (Infotype...	
QC40	QC40	
QC40A	QC40A	
QC42	QC42	
QEW01	QEW01	
QISR	QISR	
QISRW	QISRW	
qmw1	GMW1	
RecipeWorkBench	RecipeWorkBench	
RSAU_STATUS	RSAU_STATUS	
sample	Examples of ITS-Based Applications	
SAPSIGN	SAPSIGN	
SAP_GENERATE	sap_generate generates style sheets for IA...	
sca2	SCA2	

Now activate the recipe workbench link by right clicking on it.

Service/Host Edit Goto Client System Help

## Maintain service

Create Host/Service External Aliases System Monitor Inactive

Filter Details

Virtual Host:  Service Path:

Service:

Description:

Lang.: EN English Ref.Service:

Filter Reset Detail

Virtuelle Hosts / Services	Documentation	Referenz Service
PZ81	ESS Expense	
PZ88	IN: Section 80C	
QC40	QC40	
QC40A	QC40A	
QC42	QC42	
QEW01	QEW01	
QISR	QISR	
QISRW	QISRW	
qmw1	GMW1	
RecipeWorkBench	RecipeWorkBench	
RSAU_STATUS	RSAU_STATUS	
sample	Examples of ITS-Based Applications	

New Sub-Element

Display Service

Delete Service

Rename Service

Activate Service

Deactivate Service

Test Service

Test Load Balancing

References to Service

Obj. Directory Entry

---

Cut

Copy

Paste

It will ask you .....

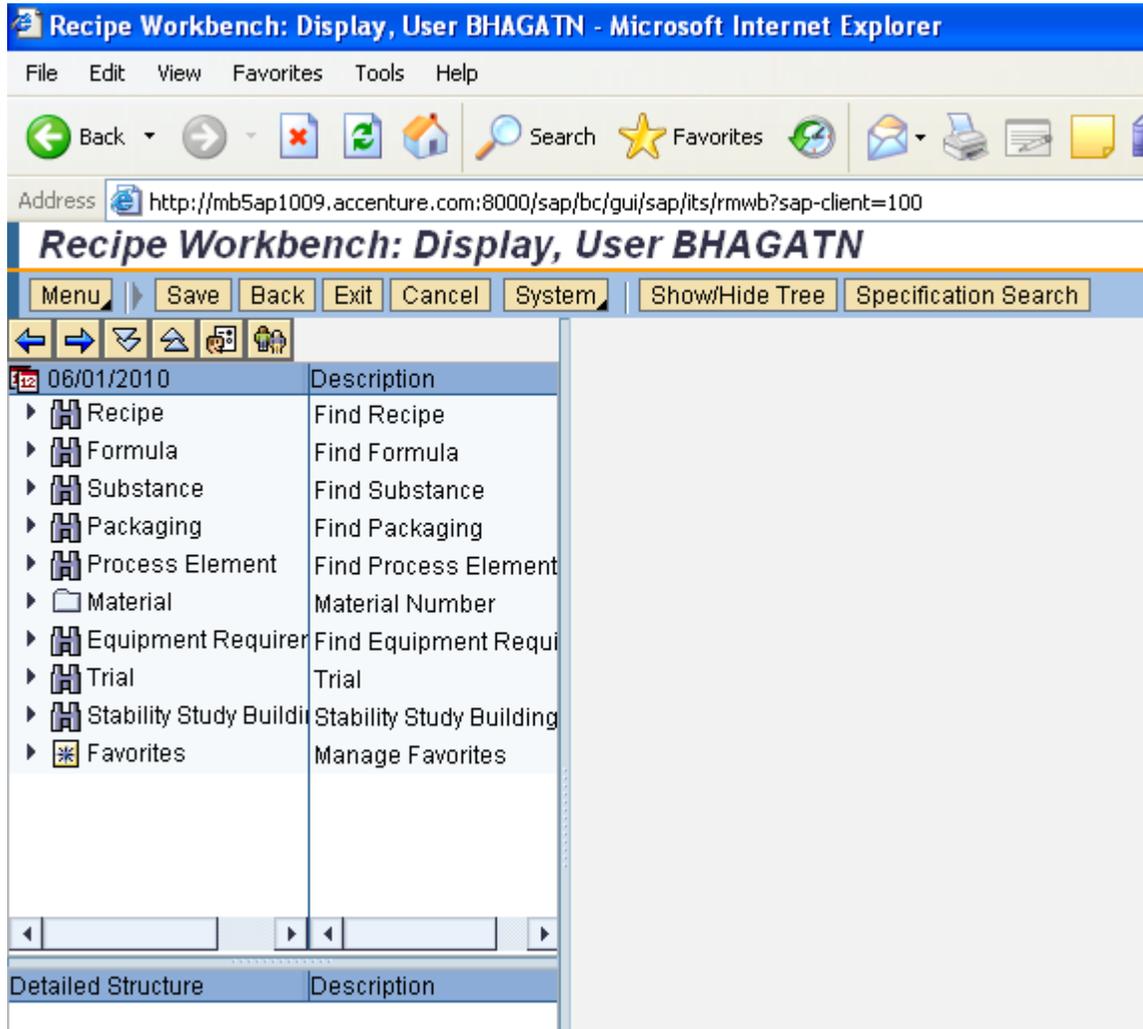
Do you want to activate service

/default\_host/sap/bc/gui/sap/its/RecipeWorkBench?

**Continue it.**

After activation , right click on it again to test the service.

You can find the Recipe workbench transaction on internet browser.



Now copy the URL from internet browser and paste it where you want to access the direct R/3 (SAP) transaction.

With the use of this there is no need of SAP gui to be install on your machine and you can access the R/3 transaction.

The same concept, we can used to link the SAP recipe workbench transaction to the SAP cProjects.

To link the ITS transaction (recipe workbench), you have to develop one tab in cProjects where you can put the URL or else you can use the document tab of cProjects.

Click the document tab of cProjects as shown

Welcome **Itin BHAGAT!**

Valid data is changed after saving successfully

[Display Message Log](#)

Start Page | Display / Change | Save | User Settings | Help | Exit

Structure | Resources | Accounting | Status Reports | Control Plans | Project Versions | Search

New lubrication for Passenger vehicles > Develop Product > Develop Product Gate > Product Specification Sheet Created?

Checklist Item | Create | Include | Delete | Schedule | Favorite | Favorite (Browser) | Print | Language: English

Basic Data | Additional Data | Notes | Status | Documents | Collaborations | Object Links

Project Element

- Develop Product
  - Develop Product Gate
    - Release Documentati ...
    - Product Specification ...
    - Packaging Created?
    - Develop Product Tas ...
      - Research Develop ...
      - Evaluate and Ass ...
      - Develop Release ...

New Folder | New Document | Delete | Detail | Table | Authorizations | Templates | Help

URL for Document

Document Folder

- Product Specification Sheet Created?

Then click on new document tab to put the ITS URL (Recipe workbench URL) and click on check in as URL.

Welcome **Itin BHAGAT!**

Start Page | Display / Change | Save | User Settings | Help | Exit

Structure | Resources | Accounting | Status Reports | Control Plans | Project Versions | Search

New lubrication for Passenger vehicles > Develop Product > Develop Product Gate > Product Specification Sheet Created?

Checklist Item | Create | Include | Delete | Schedule | Favorite | Favorite (Browser) | Print | Language: English

Basic Data | Additional Data | Notes | Status | Documents | Collaborations | Object Links

Project Element

- Develop Product
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    - Release Documentati ...
    - Product Specification ...
    - Packaging Created?
    - Develop Product Tas ...
      - Research Develop ...
      - Evaluate and Ass ...
      - Develop Release ...

New Folder | New Document | Delete | Detail | Table | Authorizations | Templates

URL for Document

Document Folder

- Product Specification Sheet Created?

**Check In Document**

FolderPath: **Product Specification Sheet Created?**

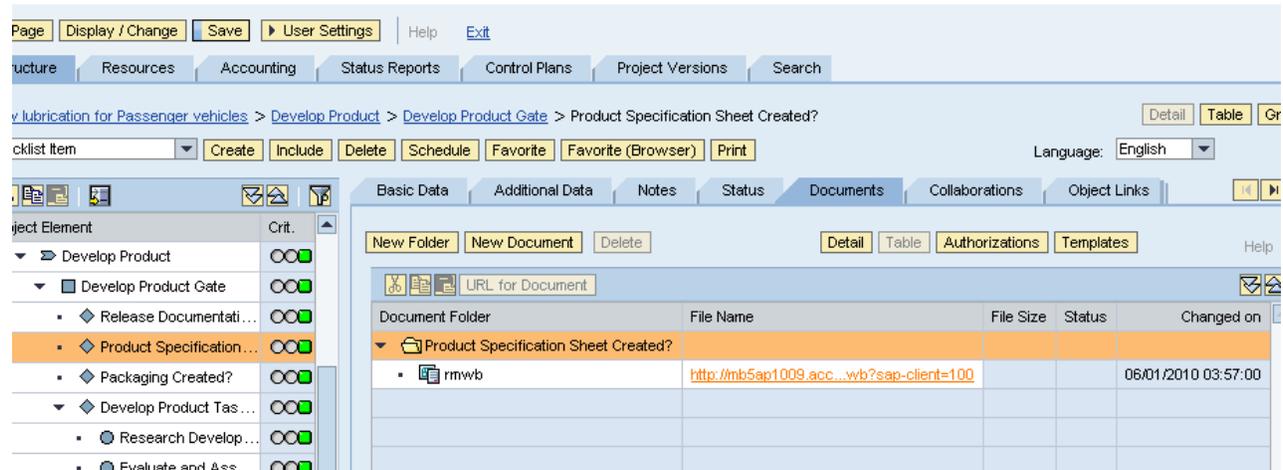
File:  [Browse](#)

URL:  Description:

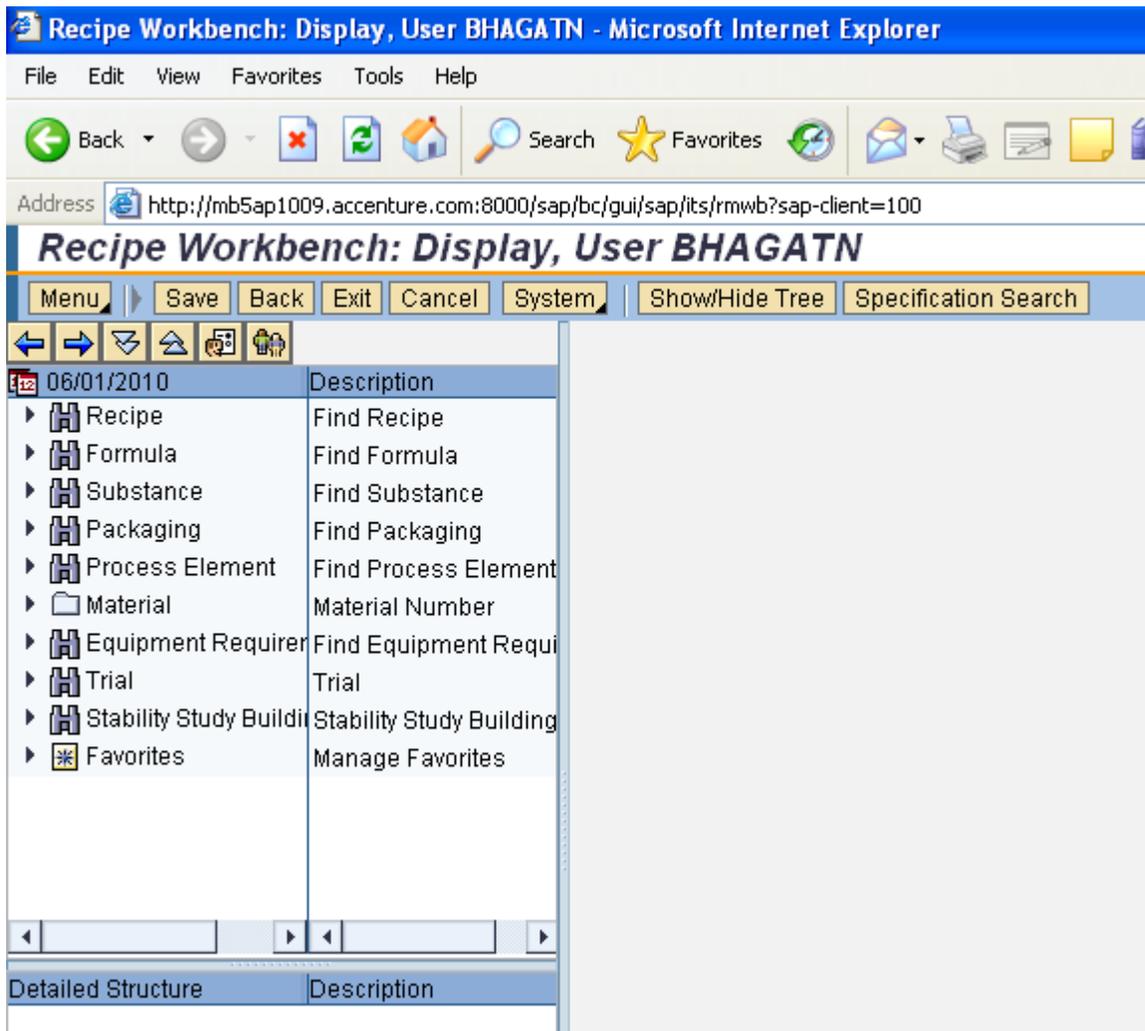
[Check In](#) [Check In As URL](#) [Cancel](#)

[Check In As URL](#)

Now you can find the recipe workbench URL link to cProjects.



When you click on the link, it will directly open the recipe workbench, where you can do your transaction.



#### 4. Conclusion

The ITS functionality can be used to perform any R/3 transaction over internet/intranet. This is very useful to perform the transaction of recipe workbench, etc., from SAP cProjects with less effort.

## Related Content

<http://www.help.sap.com>

<http://www.sdn.sap.com>

<http://www.sap.com>

For more information, visit the [Product Lifecycle Management homepage](#).

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