9 software

NaturaIONE

Travel Approval Sample Application

Version 8.2.7

March 2013

NaturalONE

This document applies to NaturalONE Version 8.2.7.

Specifications contained herein are subject to change and these changes will be reported in subsequent release notes or new editions.

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Travel Approval Sample Application

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About the Sample Application

This tutorial explains how to use the travel approval sample application.

The Travel Support System (this is the name that you can see on the screen when executing the application) is a small sample application for NaturalONE. As a sample application, its focus is to show NaturalONE functionality rather than being a full-fledged travel support application.

The Travel Support System (TSS) allows you to request and approve business trips. Flights, hotels and even more external information such as cell phone expenses or car rentals can be entered with the trip request. For the destination, weather information can be queried. A manager can do both, request own trips as well as approve trips that have been requested by employees. After the manager has approved single or multiple requests, the manager can print an itinerary or receive the itinerary as a PDF file.

Prerequisites

In order to use the sample application, Adabas Version 6.1.9 or above must be installed.

Installing the Sample Application

When you start NaturalONE for the very first time, you will see a so-called "Welcome" page. If this page is not visible, you can open it as described below. See also *Starting NaturalONE*.

Before installing the sample application, open the Natural perspective and wait until the startup of the local Tomcat server has completed. In the **Console** view, you can keep track of the Tomcat status.

To start the sample application

1 From the **Help** menu of Eclipse, choose **Welcome**.

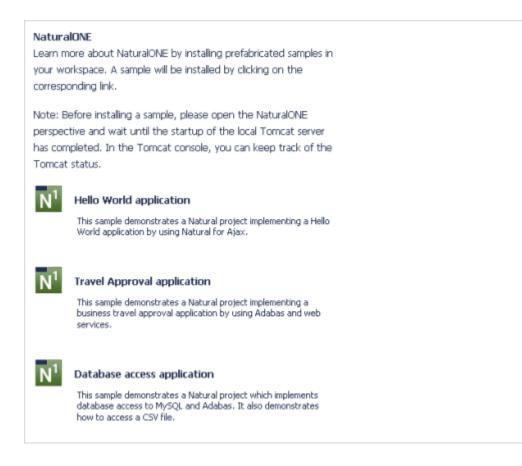
The welcome page appears.

Welcome 🖾			Å ↔ ↔ 🗄 🗖 #	
Welcome to Softw	are AG Designe	r	∮ software∗∘	
Software AG Designer is an integ features that enable you to mod ESB projects, and SDA implement My webMethods Server, ESB, Ent debugging capabilities to the enc	el, develop and maintain en ations. Software AG Design ireX, ApplinX, Tamino, Centr	terprise-wide business pr er is also fully integrated	ocesses and applications, build with many runtime servers like	
 applications, and Web application Developers can build both webW support business process mana applications, such as, COBOL/CI Application developers work in the supplication developers work in the supplicat	 Business analysts and developers work in this environment to design and create process models, user interfaces, task applications, and Web applications. Developers can build both webMethods ESB services as well as standard Web services to provide customized solutions to support business process management, SOA initiatives, and integration projects. This also covers a wide variety of custom applications, such as, COBOL/CICS, Micro Focus COBOL, and 3270. Application developers work in this environment to create and maintain NaturaIONE applications and services with Web-based user interfaces, SQL-based access to relational and non-relational data sources. 			
A DE	1 Step Onet	R	6 software -	
Overview	Tutorials	Samples	What's New	

2 Click on **Samples** which is shown at the bottom of the welcome page.

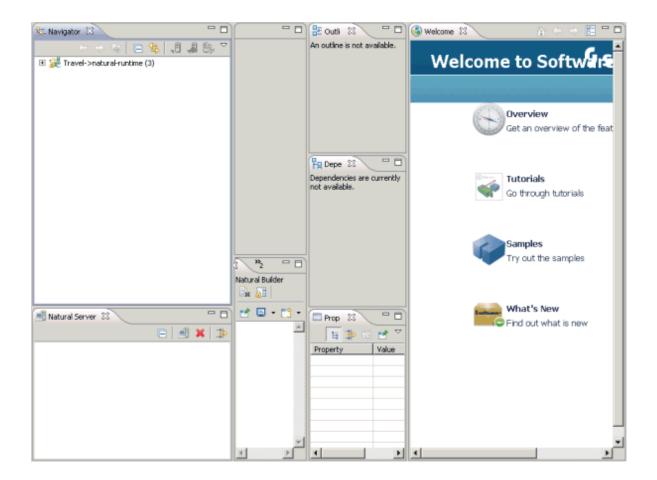
The **Samples** page appears.

3 Scroll down until you see the following:



4 To install the travel approval application, click either on the title of the sample or on the icon to the left of the title.

The sample application is copied to your workspace. The **Navigator** view is automatically shown, containing the sample application as a new project.



5 To get more space for the views of the Natural perspective, close the welcome page.

Defining the Use of an External Web Browser

You will now make sure that the sample application is executed in an external web browser and not in the internal web browser.

To define the use an external web browser

- 1 From the **Window** menu, choose **Preferences**.
- 2 Expand the **General** node and select **Web Browser**.

The following page appears.

The Preferences		
type filter text	Web Browser	> • ⇒ • •
General General General General General Capabilities Compare/Patch Content Types B-Editors Keys	Add, remove, or edit installed web browsers. The selected web browser will be used by default when web pages are opened, although applications may always use the external browser. C Use internal web browser C Use external web browser External web browsers:) some
Network Connections Perspectives Search	Default system web browser Internet Explorer	New
 Security Service Policies Startup and Shutdown 		Remove
Web Browser E- Workspace TAnt		Search
⊕ CentraSite		
⊞-Data Management		
⊞-Help		
ie Instal/Update ie Java		
H- Java EE		
. JavaScript		
Plug-in Development		
Report Design		
RuniDehua	Restore Defaults	Apply
?	ОК	Cancel

3 Select the **Use external web browser** option button and choose the **OK** button.

Starting the Sample Application

You start the sample application by executing the program LOGIN.NSP in the TRAVEL library.

b To start the sample application

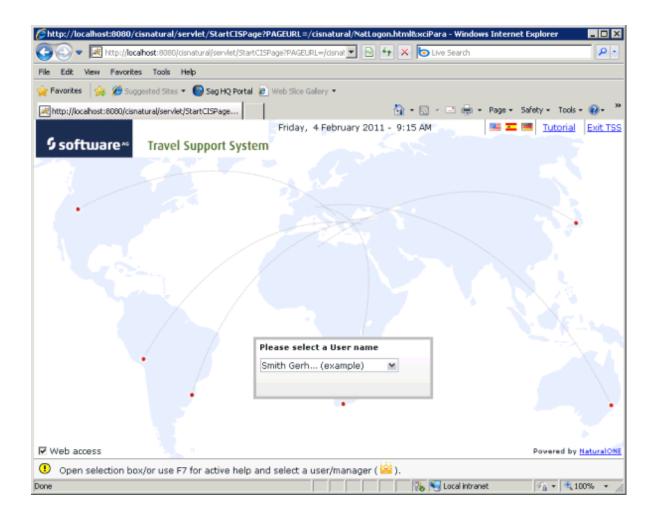
- 1 In the **Navigator** view, click on the plus (+) sign next to the project name **Travel->naturalruntime (3)** to expand the tree.
- 2 Expand the tree further by clicking on the plus (+) signs next to the following node names:
 - 1. Natural-Libraries
 - 2. TRAVEL
 - 3. SRC

The tree should now look as follows:

℃ Navigator 🛛		
	B,	$\overline{}$
🖃 醚 Travel->natural-runtime (3)		
🗄 🗁 .settings		
wsstack		
🗄 🗁 docTravel		
🗄 🗁 Expenses		
🖻 🗁 Natural-Libraries		
🖻 🗁 TRAVEL		
🕀 🕮 RES		
🖻 🕮 SRC		
AJY00A20.NSA		
AJY00A22.NSA		
AJY00A23.NSA		
AJY00G00.NSG		
AJYOOLOO.NSL		
-X AJYOOL21.NSL		-

- 3 Scroll down until you see the program name LOGIN.NSP.
- 4 Select LOGIN.NSP, invoke the context menu and choose **NaturalONE > Execute**.

The sample application is executed. Since you have specified so in the preferences, it is executed in an external browser window.



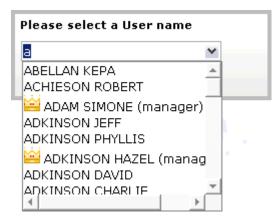
Logging in as an Employee for Requesting a Business Trip

You will now log in as an employee (with limited rights) and request a business trip.

To log in as an employee

1 In the **Please select a User name** dialog, type "A" over the name that is currently shown in the drop-down list box.

The drop-down list box opens, displaying the names of all employees and managers which start with the letter "A". This information comes from the Adabas demo database.



2 Select the name "ADKINSON DAVID".



3 Choose the Enter New Request button.

The following screen appears. Here, you will enter your travel request.

New Travel Request	Flight Booking
Reason	Departure information City,Country Pick a date Pick a date City,Country Pick a date Pick
Travel Expenses My Travels	Hotel Booking Select a hotel
Travel Details	Total cost □
	<u>All</u> a .csv file.
Мар	Upload.csv
	Select a City for forecast 💌

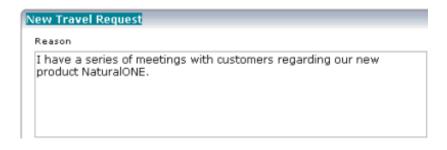
Entering a Travel Request with Flight and Hotel Information

You will now enter and submit your travel request. This includes the following information:

- City and date for departure.
- City and date for return flight.
- Flight number.
- Hotel name.

To enter a travel request

1 In the **Reason** text box, enter the reason for your travel plans. For example:



2 Under **Departure information**, open the drop-down list box.



- 3 Select **Toronto, Canada**.
- 4 Click on **Pick a date** which is shown to the right of the departure information.
- 5 In the resulting **Date Input** dialog, select the desired date for your flight to Toronto (for example, February 21, 2012).
- 6 Under **Return information**, open the drop-down list box.

Departure information	
\prec City,Country	▼ 2012-02-21 ¥
Return information	
Lity,Country	💌 Pick a date 💌
Washington, USA,	
Beijing,China	
Frankfurt,Germany	▶
Paris,France	
Toronto,Canada	
Melbourne,Australia	ia 🗸 🗸
Moscow,Russia	
Amsterdam,Nederla	ands 🛛 Total cost 😐 📥
Vienna, Austria	
City,Country	

- 7 Select **Beijing,China**.
- 8 Click on **Pick a date** which is shown to the right of the return information.
- 9 In the resulting **Date Input** dialog, select the desired date for your return flight from Beijing (for example, February 28, 2012).



You have now entered the basic information needed to make travel plans. Next, you will book a flight and a hotel.

10 Under **Flight Booking**, open the drop-down list box.



11 Select Continental Airlines Flight: #4207.

The selected flight is shown under Travel Expenses.

Travel Expenses				~
* Detail			•	Cost 🗉 👝
Continental Airlines Flight: # 4207				777.0
				- 1
Submit Request	Delete rows	Cancel Request	77	7

12 Under Hotel Booking, open the drop-down list box.

Hotel Booking	
Select a hotel	•
HILTON,150	
FOUR SEASONS,1	09
SHERATON,89	
WALDORF ASTOR	IA,250
RITZ CARLTON,20	0
EDEN ROCK,69	
GRAND MERCURE	ROXY,99
SOFITEL,125	
HOLIDAY INN,66	
Select a hotel	

13 Select HILTON,150.

The selected hotel is also shown under **Travel Expenses**, including the costs (7 nights * 150 = 1050). The total cost has also been updated (1827).

Travel Expenses			~
× Detail		0	Cost 🔍 🗠
Continental Airlines Flight: # 4207			777.0
			1050.0
			-
Submit Request	Delete rows	Cancel Request	1827

14 Choose the **Submit Request** button.

The Travel Expenses area is closed, and the My Travels area shows the travel details.

Ī	rav	el Expenses		Þ
_				
M	/ Tr	avels		~
	0	Travel Details	a	Total cost 🌼 🔺
	1	x		1827 €
		 Departs: Feb 21, 2012 from Toronto,Canada by Continental Airlines Flight: # 4207 Return: Feb 28, 2012 from Beijing,China HILTON 		
				-

At the bottom of the screen, you can see a message informing you that the travel request has been accepted (pending approval), and that you can now either create a new request or log out.

Adding Additional Expenses to Your Travel Request

You will now add additional expenses from a CSV file to your travel request. This is just for demonstration purposes and you will delete these expenses before you log out.

To add additional expenses

1 Under **Other Expenses**, choose the **Upload .csv** button.



The File Upload dialog appears.

🖉 File Upload	Webpage Dialog	×
File Upload		
		Browse
	Upload	

- 2 Choose the **Browse** button.
- 3 In the resulting **Choose File to Upload** dialog, navigate to the location of your Eclipse workspace. Here, you can find the project directory that has been created for your travel application.

The demo CSV file which comes with the travel application is located in the *Expenses* folder of the project and has the name *expenses_trip1.csv*.

4 Select the file *expenses_trip1.csv* and choose the **Open** button.

The path to the selected file is shown in the File Upload dialog.

5 In the **File Upload** dialog, choose the **Upload** button.

The contents of the CSV file is shown under Travel Expenses.

Travel Expenses				~
* Detail		c	C C	ost 🔍 🗠
🎲 Misc. Food				150.0
🎲 Misc. Transport				350.0
				-
Submit Request	Delete rows	Cancel Request	500	

You will now delete the two items that were added from the CSV file.

- 6 Select both lines (press SHIFT or CTRL to select the second line).
- 7 Choose the **Delete rows** button.
- 8 Log out by clicking on the **Log-out** link which is located at the top right of the screen.

The logon screen containing the Please select a User name dialog is shown again.

Logging in as a Manager for Approving Travel Requests

In order to approve the travel request you have just entered, you will now log in as a manager.

To log in as a manager

1 In the **Please select a User name** dialog, open the drop-down list box and select the name "ARCONADA PEDRO".

For this user, an **Approve Requests** button is shown which is only available to managers.



2 Choose the **Approve Requests** button.

The following screen appears, listing the travel requests that are waiting for approval.

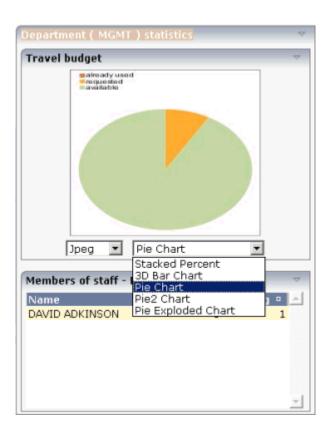
	Friday, 4 February 2011 - 12:06 PM	You're logged in as PEDRO ARCONADA
Software** Travel Support System		
Travel cost details		Department (MGMT) statistics 🗸 🗸
Employee details ~ Name DAVID ADKINSON - SECRETARY (dept. MGMT10) Address 11 HOLLY GREEN City CHAPEL HILL Country USA		Travel budget **
Travel details Travel Reason X Leaving Toronto,Canada On 2012-02-21 Traveling to Beijing,China Returning 2012-02-28	Continental Airlines Flight: # 4207 Continental Airlines Flight: # 4207 Total cost of hotels: 1050 Total cost of hotels: 1050	Jpeg Pie Chart Members of staff - Requests status Name Approved © Pending © DAVID ADKINSON 0 1
If you don't see the graphs, please install Adobe SVG Viewer or change the o	utput format to JPeg	2
Submit approved requests Employee Request info DAVID ADKINSON Continental Airlines Flight: # 4207 / HILTON /	• Cost • A 1827.0	
Click a Travel Request row for details, DoubleClick to approve		

Approving a Travel Request

After you have logged in as a manager, you can approve travel requests.

To approve a travel request

1 Under **Department (MGMT) statistics**, open the drop-down list box for the different types of pie charts.



2 Select Pie Exploded Chart.

A different chart is shown, indicating the total travel budget that is available for the department, and how much of the budget is currently requested.

3 In the table at the bottom left of the screen (below the **Submit approved requests** button), double-click the row containing the employee name "DAVID ADKINSON".

A check mark is now shown in front of the row, and a message is shown at the bottom of the screen informing you that you may submit the approved requests.

🚽 🧹 Submit app	roved requests	
 Employee 	Request info	• Cost •
V DAVID ADKINSON	Continental Airlines Flight: # 4207 / HILTON /	1827.0

4 Choose the **Submit approved requests** button.

The following dialog appears, containing the travel details for David Adkinson.



⁵ Click on the PDF icon (1) at the top right of the dialog.

When appropriate PDF viewing software such as Adobe Reader is installed, the PDF output is shown and you can print it.