

Innovative
Easy to adopt
Flexible



Control
Insight
Simplicity



Support for PHP, Java, RPG,
Cobol, CA Plex, CA 2E, LANSA,
and more



Application
modernization
support

IBM i application
lifecycle and change
management
TD/OMS & GRAVITY



Multiplatform
deployment



Building
tomorrow's
business

Integration with X-Analysis,
IBM RTC, RPG Toolbox,
Zend Studio

IT operations
improvement

Gravity User Training

Working with the Graphical User Interface



REMAINSOFTWARE

Contents



- > About this Training
- > Demo
- > Install
- > Definition
- > Work Management
- > User Admin
- > Configuration
- > Events
- > Event Templates

Innovative
Easy to adopt
Flexible



Control
Insight
Simplicity



Support for PHP, Java, RPG,
Cobol, CA Plex, CA 2E, LANSa,
and more



Application
modernization
support

IBM i application
lifecycle and change
management
TD/OMS & GRAVITY



Multiplatform
deployment



Building
tomorrow's
business

Integration with X-Analysis,
IBM RTC, RPG Toolbox,
Zend Studio

IT operations
improvement

Demo



REMAINSOFTWARE

Install



- > Get the Server:
 - > <http://bit.do/heartlandc>
 - >

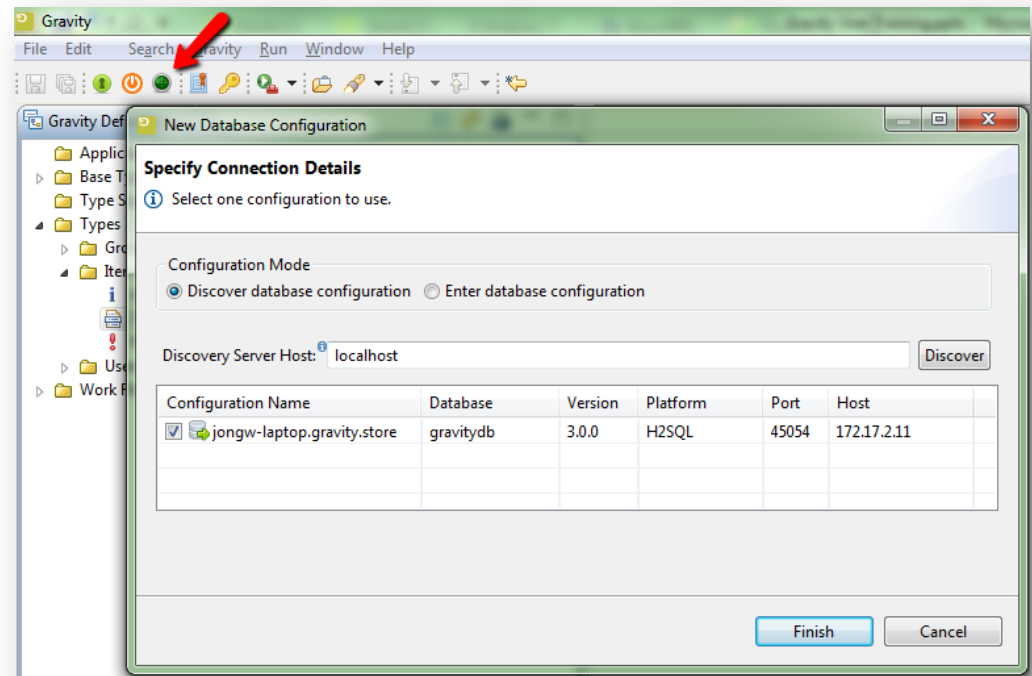
- > Get the Client:
 - > <http://bit.do/heartlandc>
 - >

- > PDF
 - > <http://bit.do/heartlandc>

Install



- > Run the Client
- > Press “Radar” Icon
- > Type “localhost”
- > Check the entry

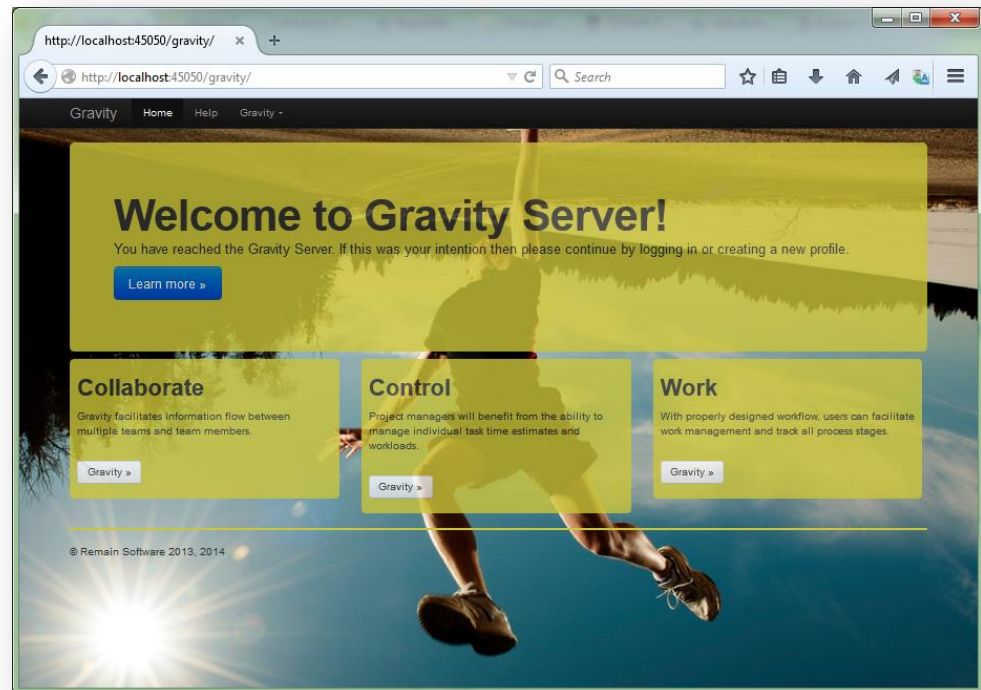


Install



> Run the Server

> `http://localhost:45050/gravity`



Install



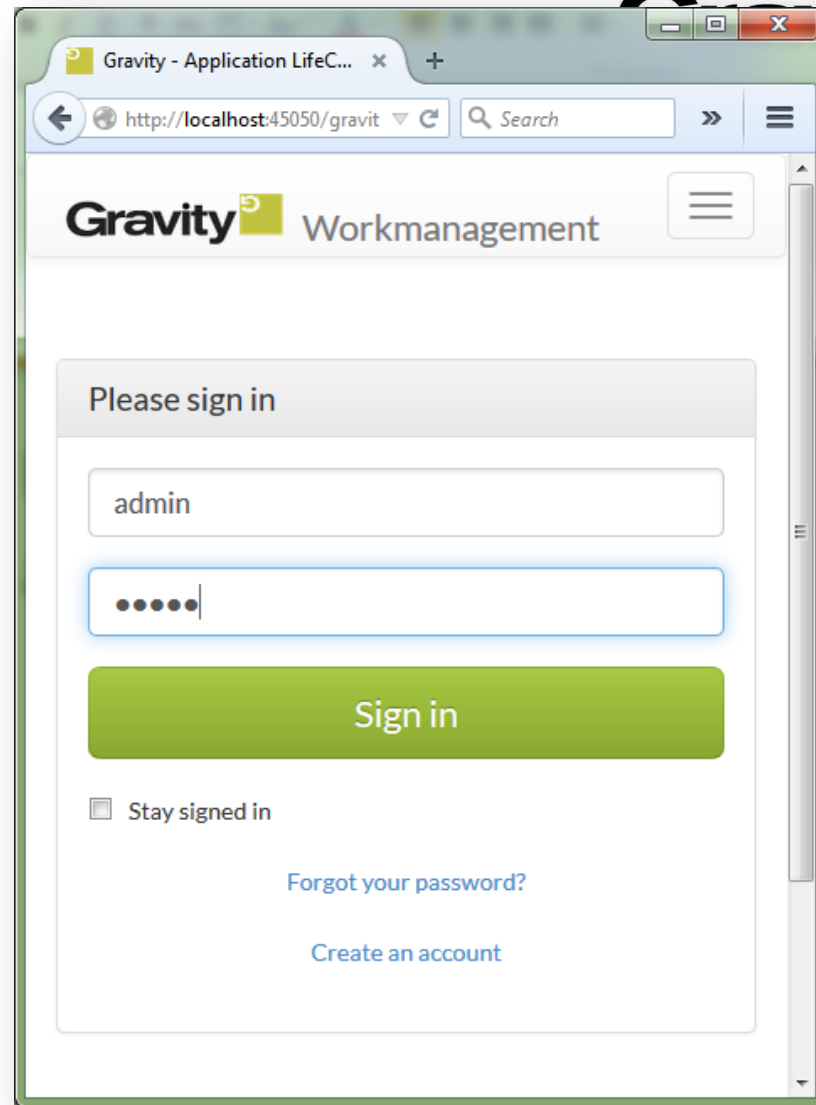
> Find the help on the server



Install

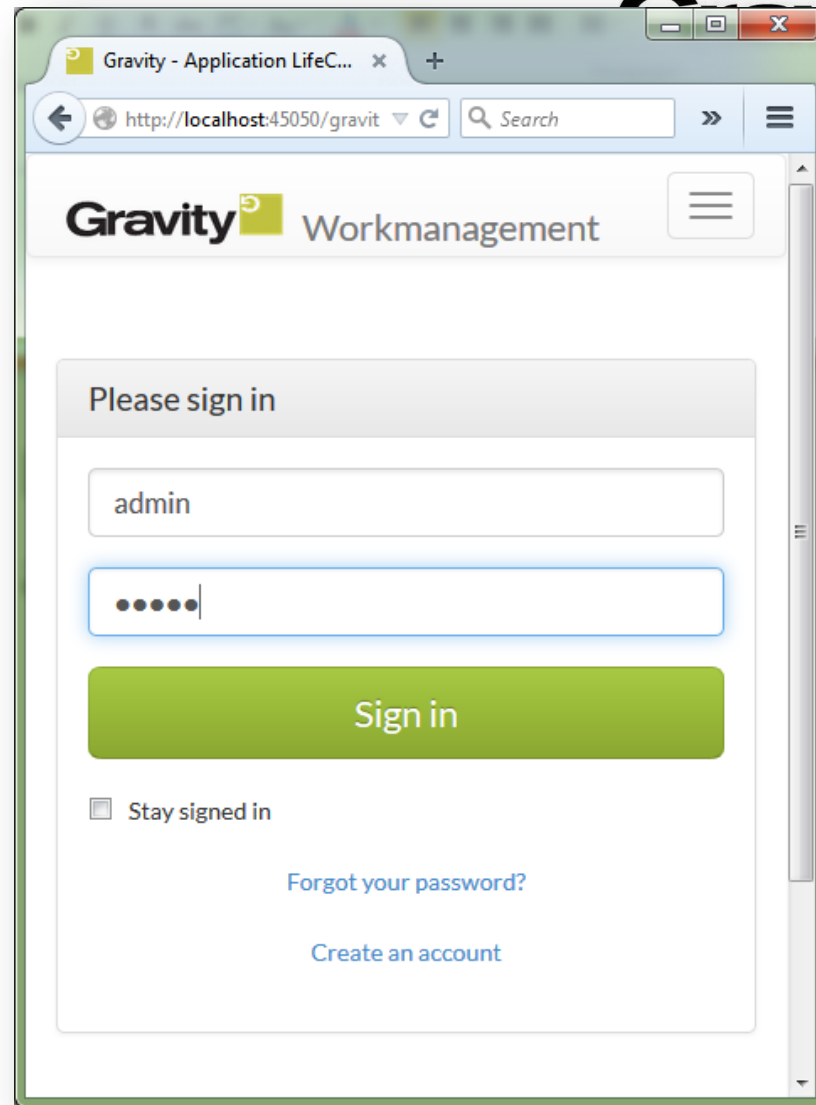
> Logon

> admin admin



Install

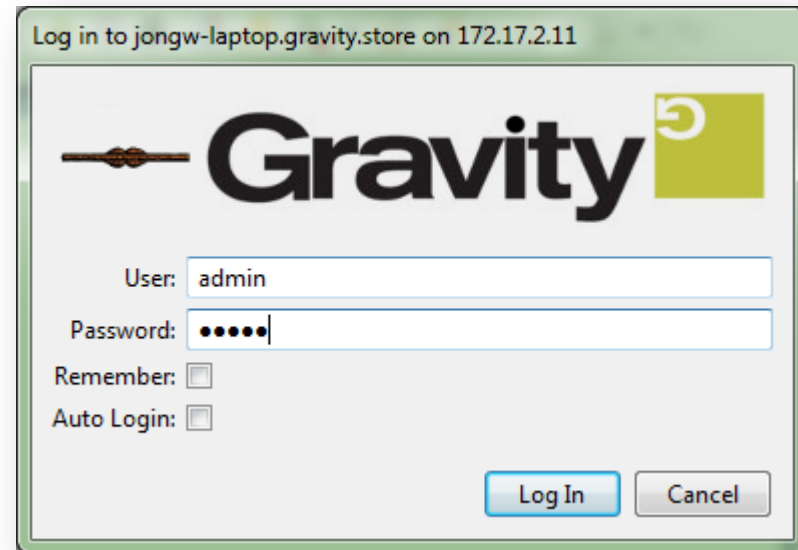
- > Server Logon
- > admin admin



Install



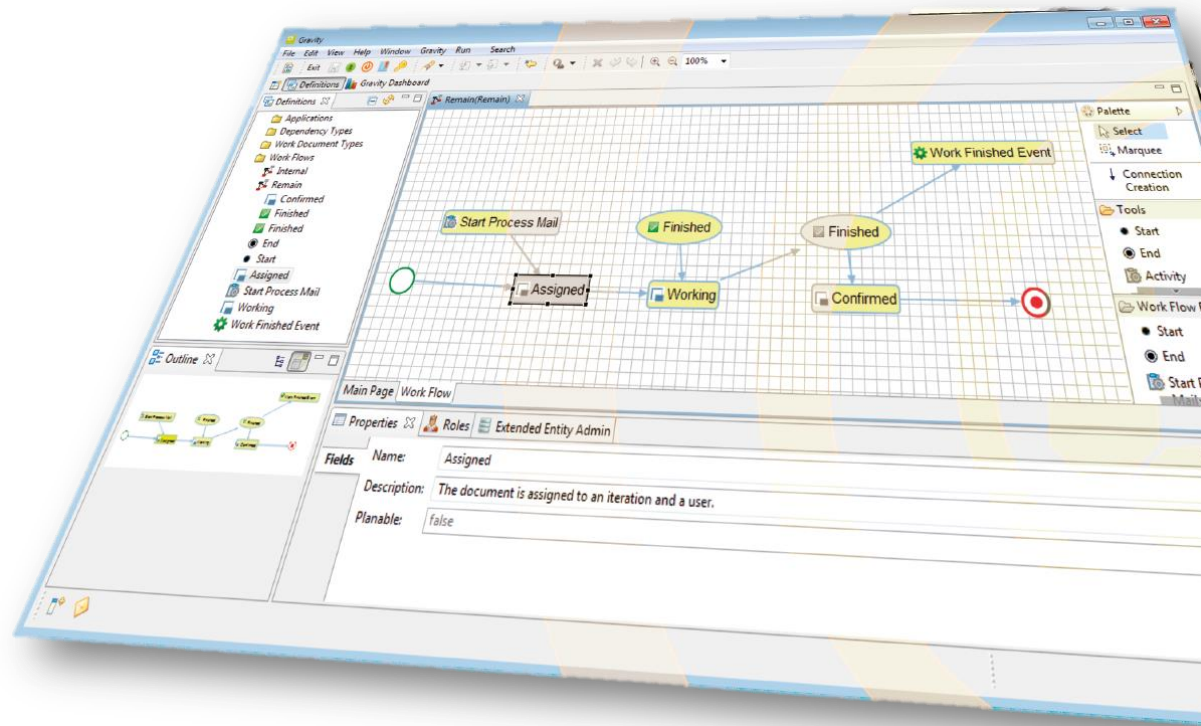
- > Client Logon
- > admin admin



Definitions



- > Types
 - > User Types
 - > Group Types
 - > Item Types
- > Connections
- > Type Spaces
- > Workflows
- > Applications



> Types

- > Are the base building blocks of Gravity
- > User, Group and Item types
- > Can be extended
 - Add fields to the type
- > Can be customized
 - Icon, Description

Definitions - Types



> User

- > User, Contact, Employee, etc..
- > Must have a license

> Group

- > Customer, Team, Department, Role, etc..
- > User can be member of more than one group

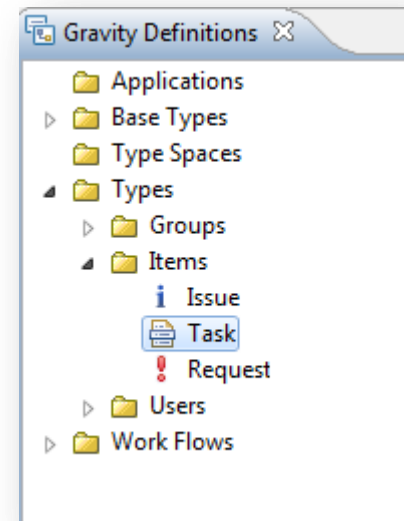
> Item

- > Something to take through the workflow
- > Issue, Project, Change Request, Task, etc..

Excercise – Create Types

> In the Rich Client

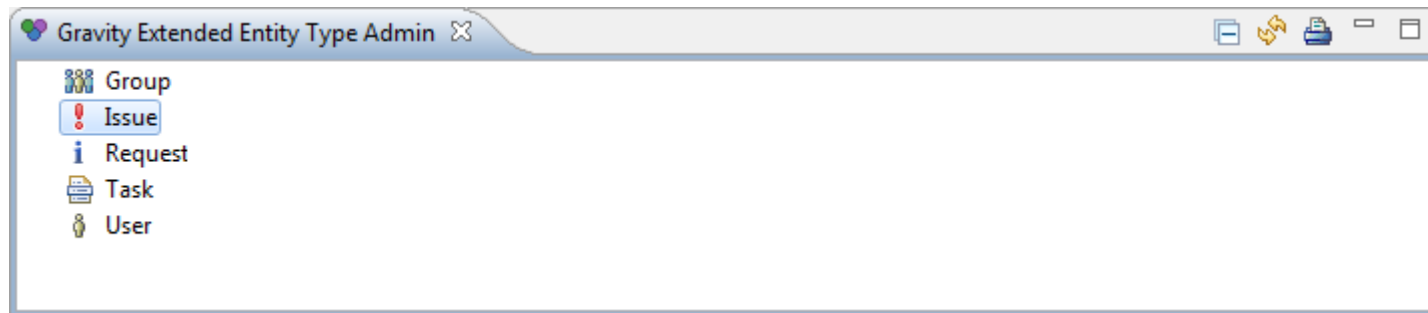
- > Create some User types
- > Create some Group types
- > Create some Item Types
 - Issue
 - Task
 - Request
- > Find some icons on Iconfinder (16x16) and attach



Exercise – Create Types



- > Extending the Entity
- > Open “Gravity Extended Entity Type Admin” view
 - > Add a field to one of the entities



> Connections

- > Binds two types together
- > Describes the two directions
- > Examples:

Issue *"is solved by"* Task

Task *"solves"* Issue

Project *"contains"* Task

User *"follows"* User

> Connections

- > Binds two types together
- > Some connections are created by the system
- > Describes the two directions
- > Examples:

Issue *"is solved by"* Task

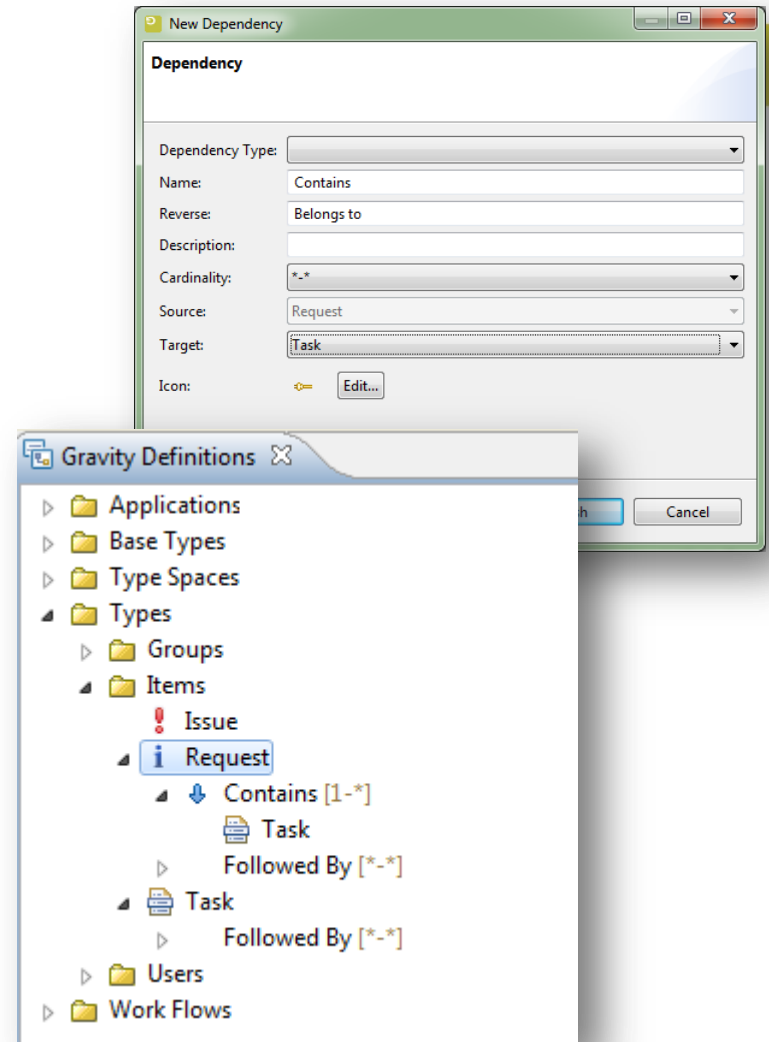
Task *"solves"* Issue

Project *"contains"* Task

User *"follows"* User

Excercise – Connect Types

- > In the Rich Client
 - > Connect Task to Request
 - > Connect Issue to Request
 - > Etc..



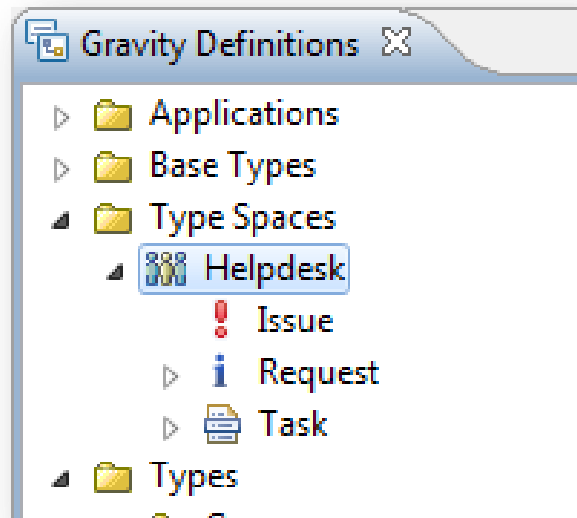
Definitions – Type Spaces



- > Types are Global
- > A Type Spaces
 - > Contains 1 to many types
 - > Is attached to a Workflow
 - > Determines the allowed types in a Workflow

Excercise – Type Spaces

- > Create a Type Space “Helpdesk”
 - > Add all the Types



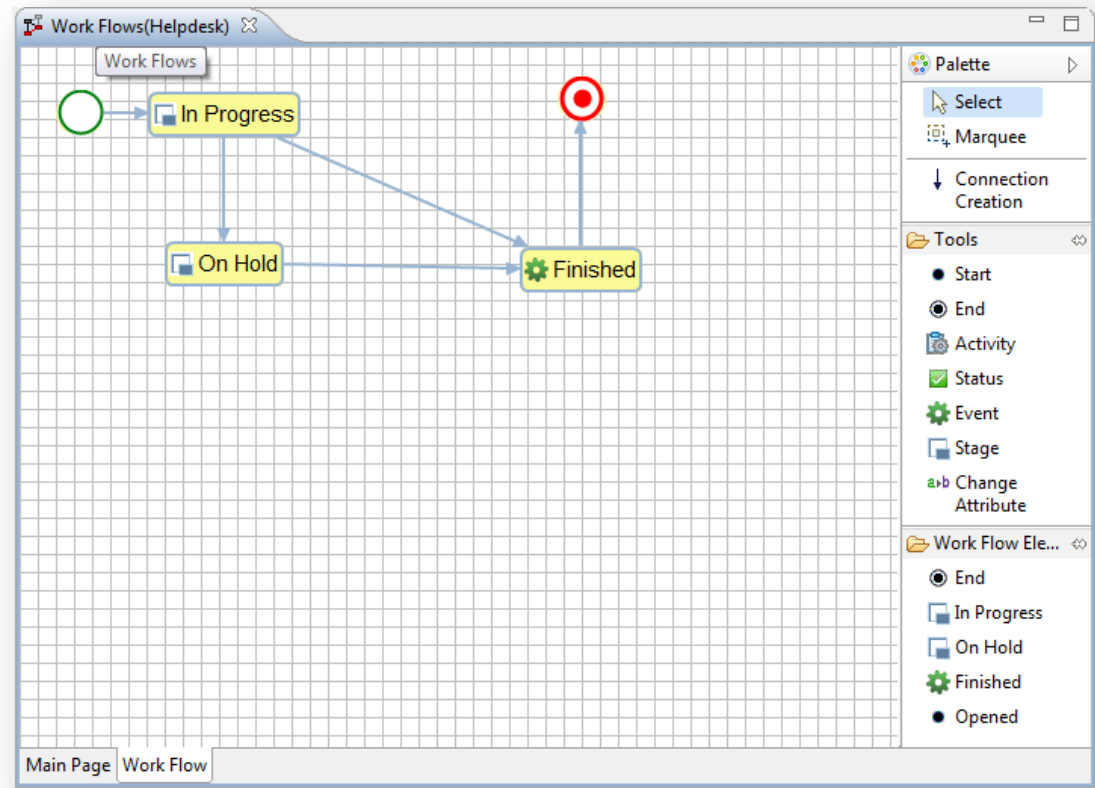
Definitions - Workflow

> Workflow

> Contains Stages

> Types of Stage

- Landing Stage
 - Start
 - End
 - Stage
 - Status
- Action Stage
 - Event
 - Activity
 - Change Attribute

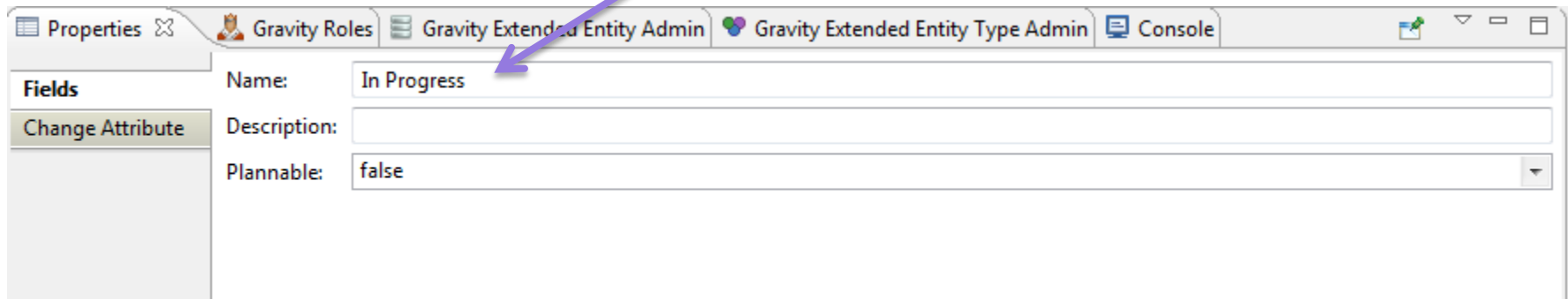
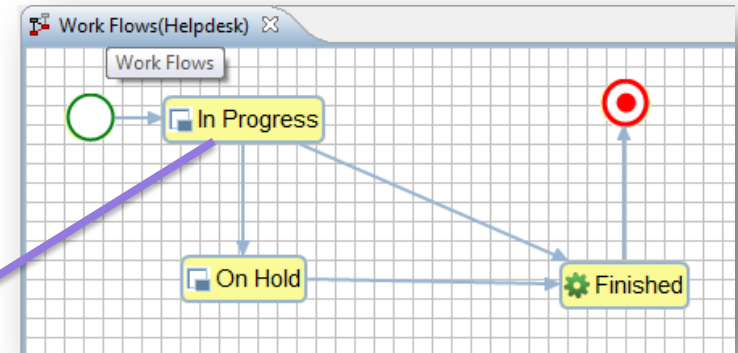


Definitions - Workflow



> Stages

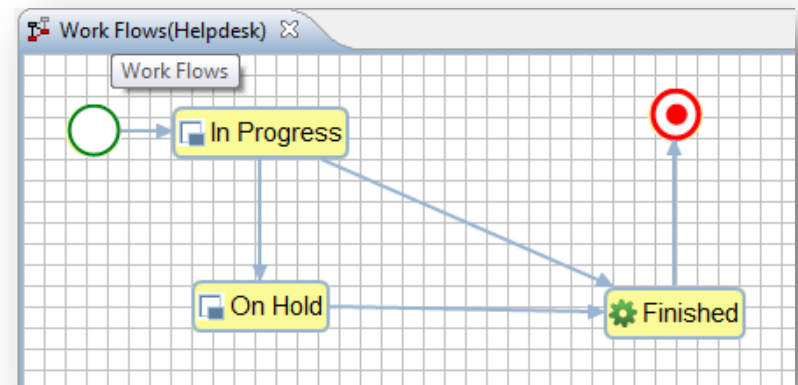
- > Properties view enables property changes.

A screenshot of the "Properties" view for the "In Progress" stage. The interface has a top bar with tabs: "Gravity Roles", "Gravity Extended Entity Admin", "Gravity Extended Entity Type Admin", and "Console". The "Properties" tab is active. On the left, there is a sidebar with "Fields" and "Change Attribute". The main area shows the following fields:

- Name: In Progress
- Description: (empty text box)
- Plannable: false

Excercise – Workflow

- > Open the Workflow editor
- > Create a Workflow “Helpdesk”
 - > Add Helpdesk Type Space to Workflow (properties)
 - > Create a simple Workflow

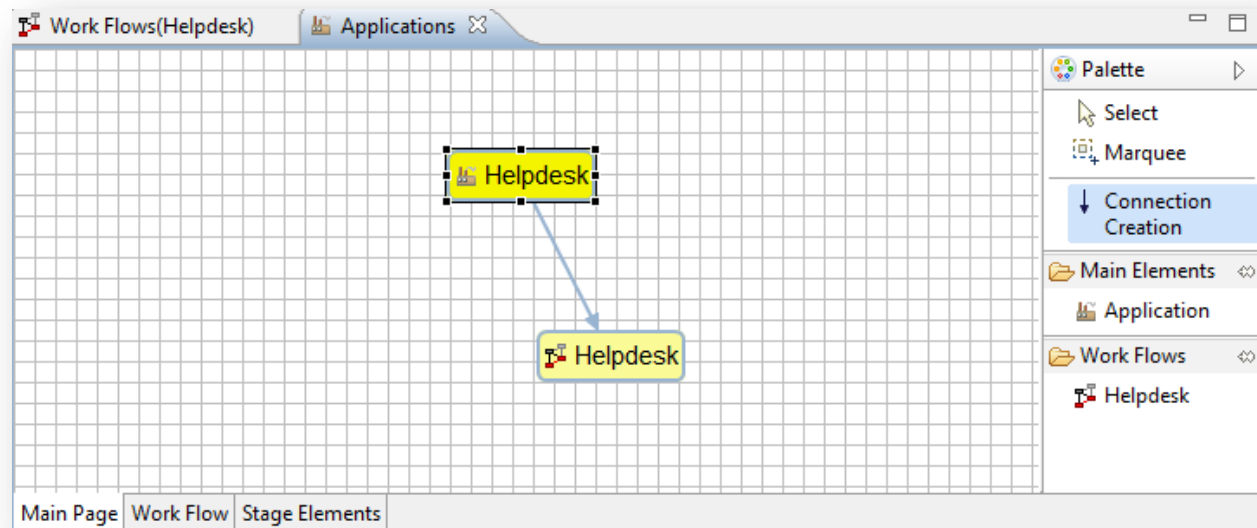


Definitions - Applications

> Applications

> Where the Items live.

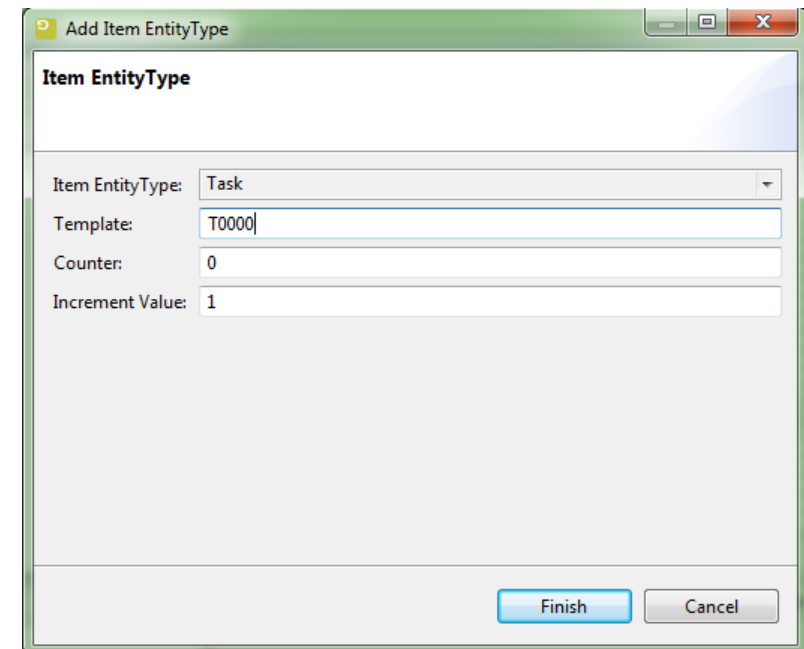
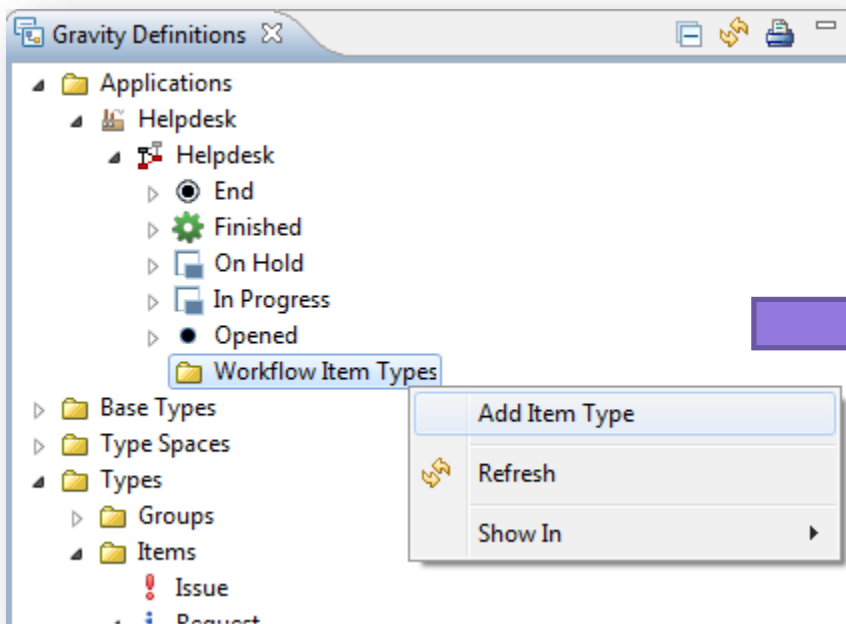
> Uses one or more workflows



Definitions - Applications

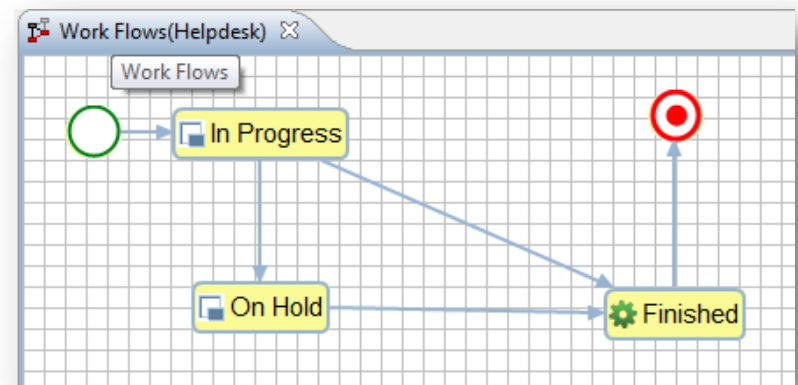


> Add the types to the application



Excercise – Applications

- > Open the Application editor
- > Create Application“Helpdesk”
 - > Add Helpdesk Workflow to Application
 - > Add the types to the Application



Innovative
Easy to adopt
Flexible



Control
Insight
Simplicity



Support for PHP, Java, RPG,
Cobol, CA Plex, CA 2E, LANSa,
and more



Application
modernization
support

IBM i application
lifecycle and change
management
TD/OMS & GRAVITY



Multiplatform
deployment



Building
tomorrow's
business

Integration with X-Analysis,
IBM RTC, RPG Toolbox,
Zend Studio

IT operations
improvement

Work Management



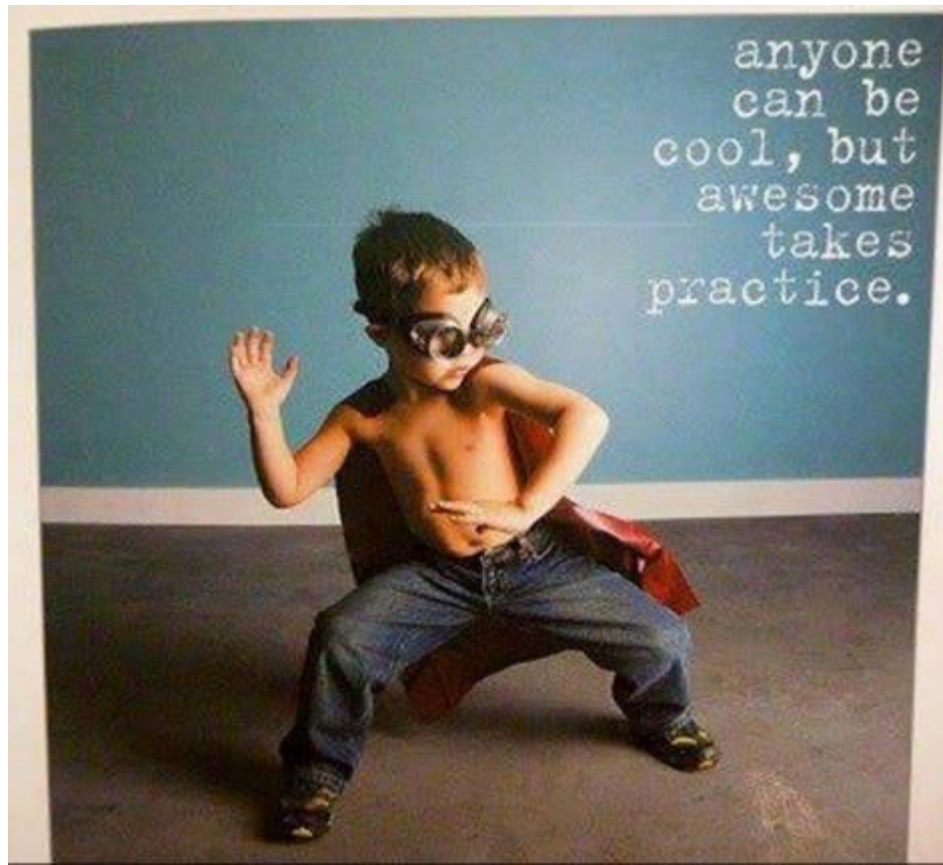
REMAINSSOFTWARE

Excercise – Work Management



- > Open the Server in a browser
- > Signoff and Login (admin/admin)
- > File an Issue
- > Play with the Web UI
- > Play some more

Who is Awesome??



> Three ways to get to the data

1. Filters
2. Search
3. Tags (web only)

> Filters

- > Open the Work Management Perspective
- > In the Work Management View
 - Right Click on the Shared Filters
 - Select New/Item Filter

Work Management - Filters



> Filter

A screenshot of a web application window titled "*Filter Editor". The window has a light blue header bar with the title "Filter Information". Below the header, there are several form fields for configuring a filter. The fields are: "Name:" with a text input containing "Open Issues"; "Status:" with a dropdown menu showing "Private"; "Creator:" with a text input containing "admin"; "Entity:" with a text input containing "Work Item"; "Creation Date:" with an empty text input; "Modified Date:" with an empty text input; and "Show in Mylyn:" with a dropdown menu. At the bottom of the window, there is a tabbed interface with three tabs: "Filter Info" (selected), "Conditions", and "View Customization".

*Filter Editor

Filter Information

Name:

Status:

Creator:

Entity:

Creation Date:

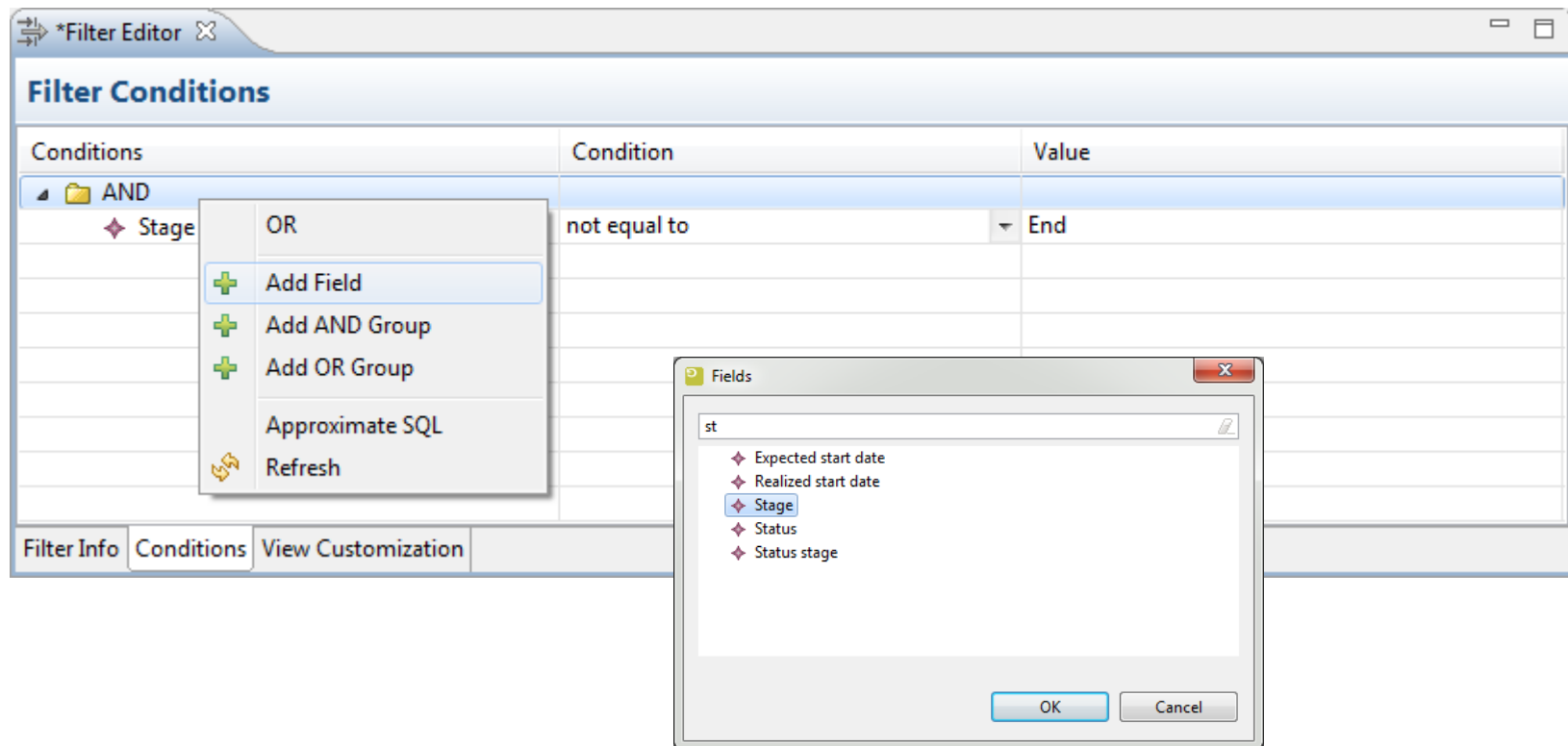
Modified Date:

Show in Mylyn:

Filter Info | Conditions | View Customization

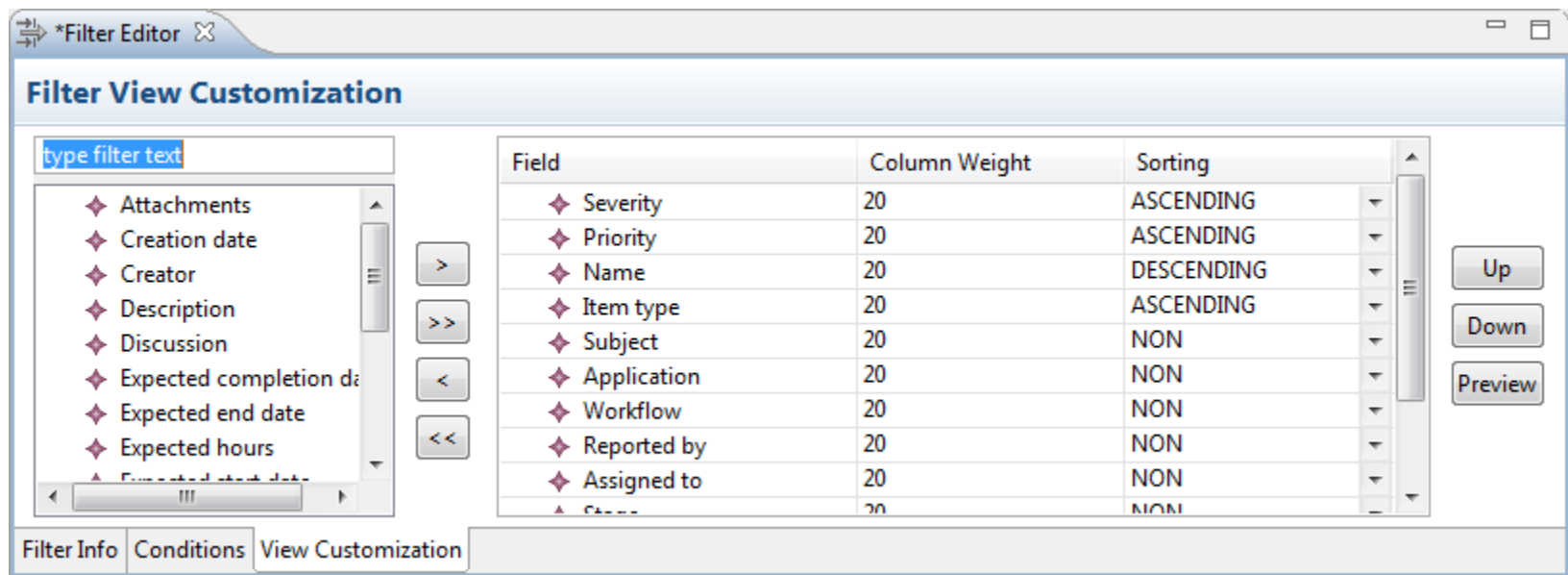
Work Management - Filters

> Filter



Work Management - Filters

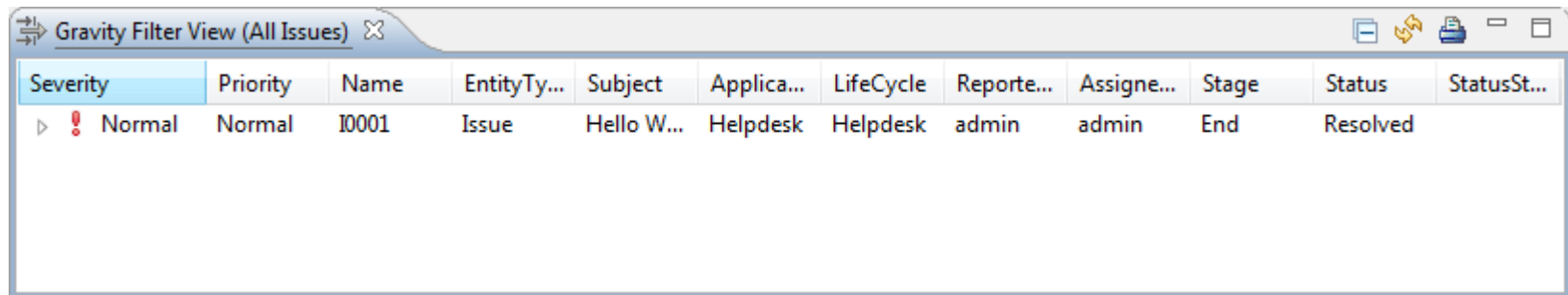
> Filter (Press CTRL+S to Save)



Work Management - Filters



> Filter View

A screenshot of a web application window titled "Gravity Filter View (All Issues)". The window displays a table with 12 columns: Severity, Priority, Name, EntityTy..., Subject, Applica..., LifeCycle, Reporte..., Assigne..., Stage, Status, and StatusSt... The first row of data shows a red exclamation mark icon in the Severity column, followed by the values: Normal, Normal, I0001, Issue, Hello W..., Helpdesk, Helpdesk, admin, admin, End, and Resolved. The window has a standard toolbar with icons for save, print, and other functions.

Severity	Priority	Name	EntityTy...	Subject	Applica...	LifeCycle	Reporte...	Assigne...	Stage	Status	StatusSt...
▶ ! Normal	Normal	I0001	Issue	Hello W...	Helpdesk	Helpdesk	admin	admin	End	Resolved	

Work Management - Filters

> What else?

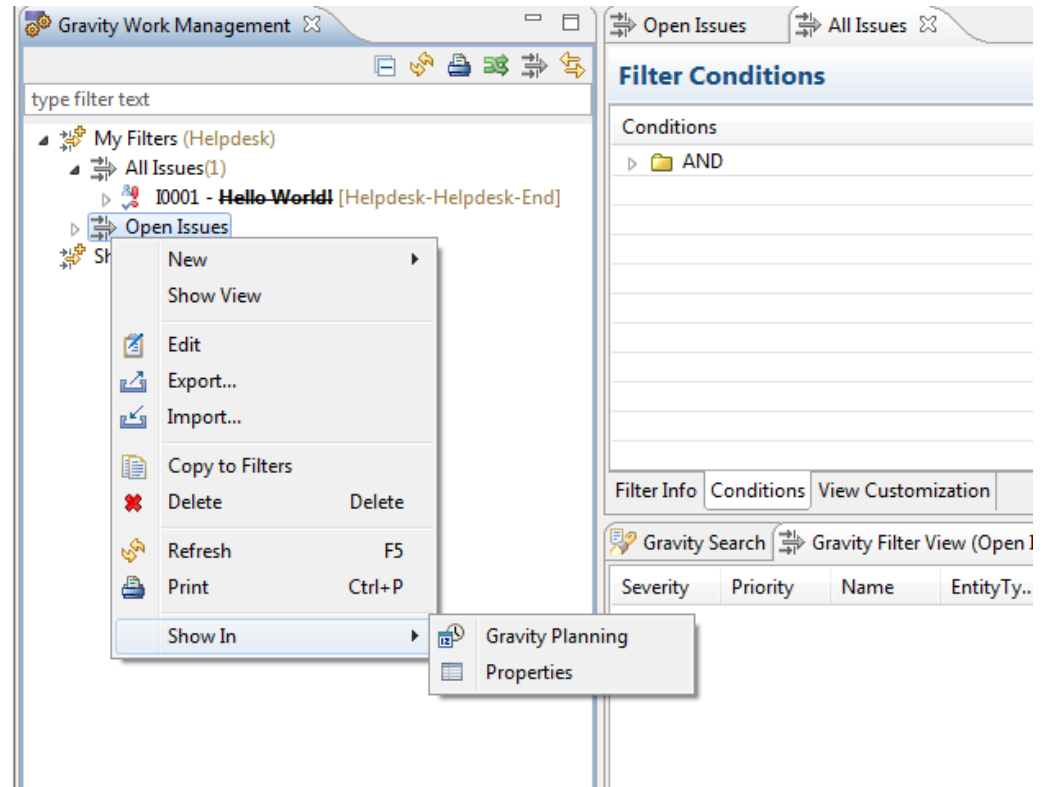
> Show View

> Import/Export

> Duplicate

> Delete

> Show In ...

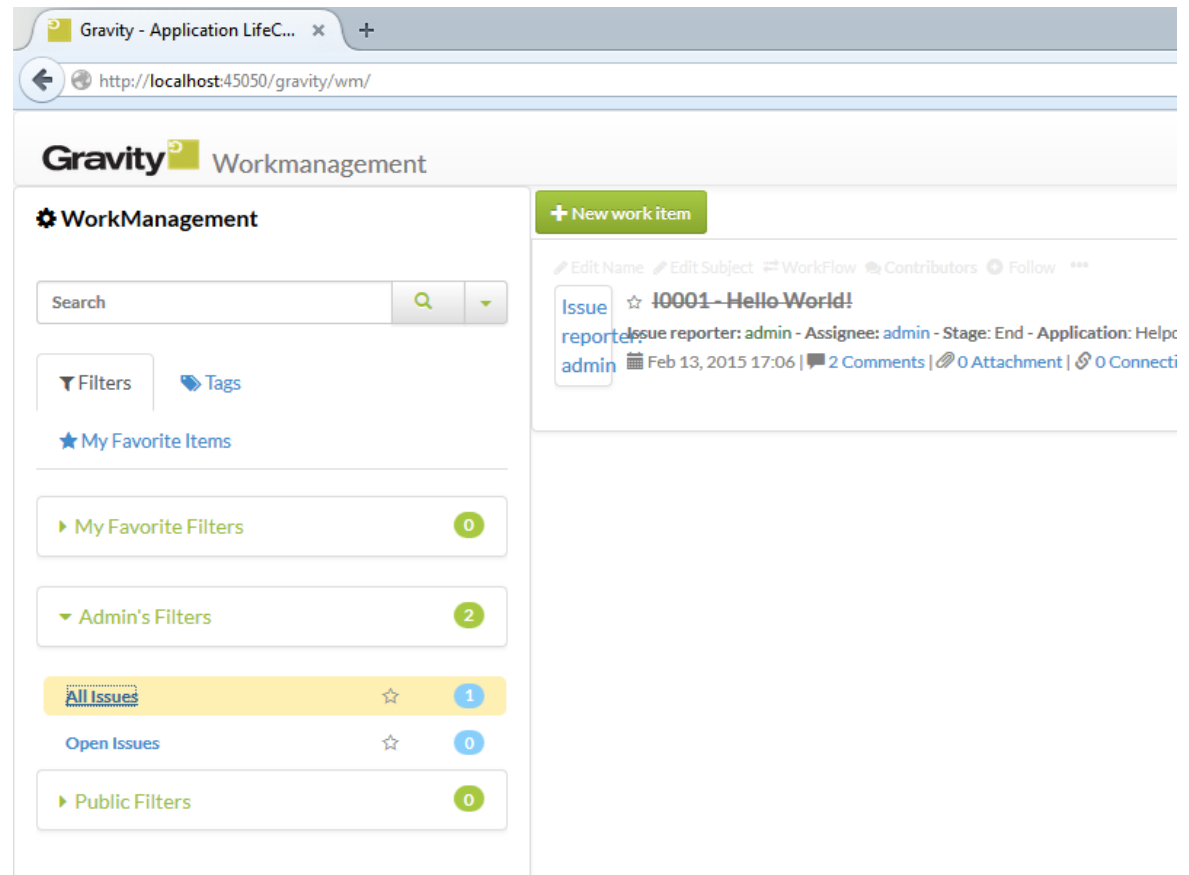


Work Management - Filters



> What else?

> Web



Excercise – Filters

- > Open Work Management Perspective
- > Create some private filters
- > Create some public filters
- > Use Import/Export
- > Use “Copy to Filters”
- > Show in View
- > Show in Planning
- > Open the browser
 - > Logoff/logon
 - > Examine the filters
 - > Make favorite

- > Search Indexer Apache Lucene/Solr
- > Powerfull Indexer
 - > Attributes
 - > Short and long descriptions
 - > Comments
 - > Attachments
 - PDF, Word, Excell, TXT, etc..
- > Activated by Eventing System

Work Management - Search



The screenshot displays the Gravity Work Management application interface. The top menu bar includes File, Edit, Search, Gravity, Run, Window, and Help. Below the menu is a toolbar with various icons. The main window is divided into several sections:

- Left Panel:** A sidebar with a search bar labeled "type filter text". Below it is a tree view showing filter categories: "My Filter (Helpdesk)", "All Issues(1)", "Open Issues", and "Shared Filter (Helpdesk)". A red arrow points from a red box labeled "Text filter, not search." to the "type filter text" search bar.
- Top Right:** A "Quick Access" bar with links to "Gravity Dashboard", "Gravity Definitions", and "Gravity Work Management".
- Center Panel:** A section titled "Filter Conditions" with a table showing conditions. A red arrow points from a red box labeled "This is Search" to the "Filter Conditions" section.
- Bottom Panel:** A section titled "Gravity Search" with a search bar containing the text "hello", a "Search" button, and a "Clear All Fields" button. Below the search bar is an "Advanced" section with a table for "Name" and "Description".

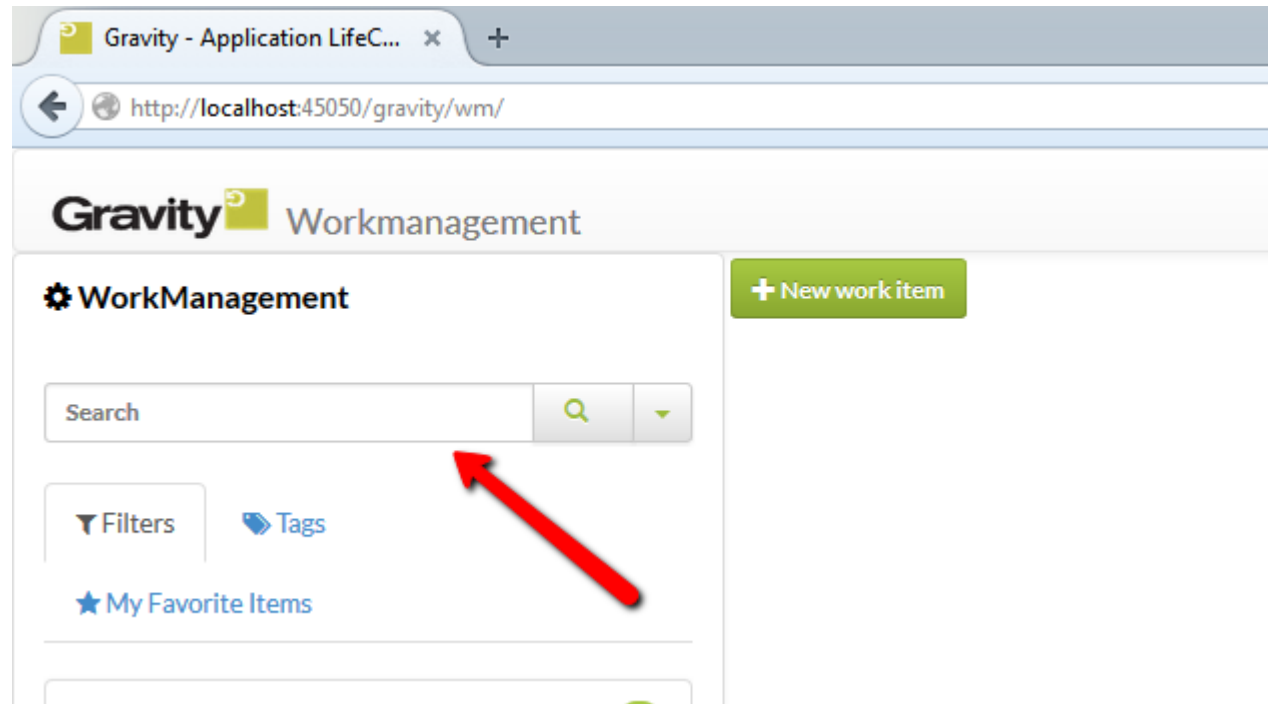
Conditions	Condition	Value
AND		

Name	Description

Work Management - Search



> Web Search



Work Management - Tags

> Tags (Web Only)

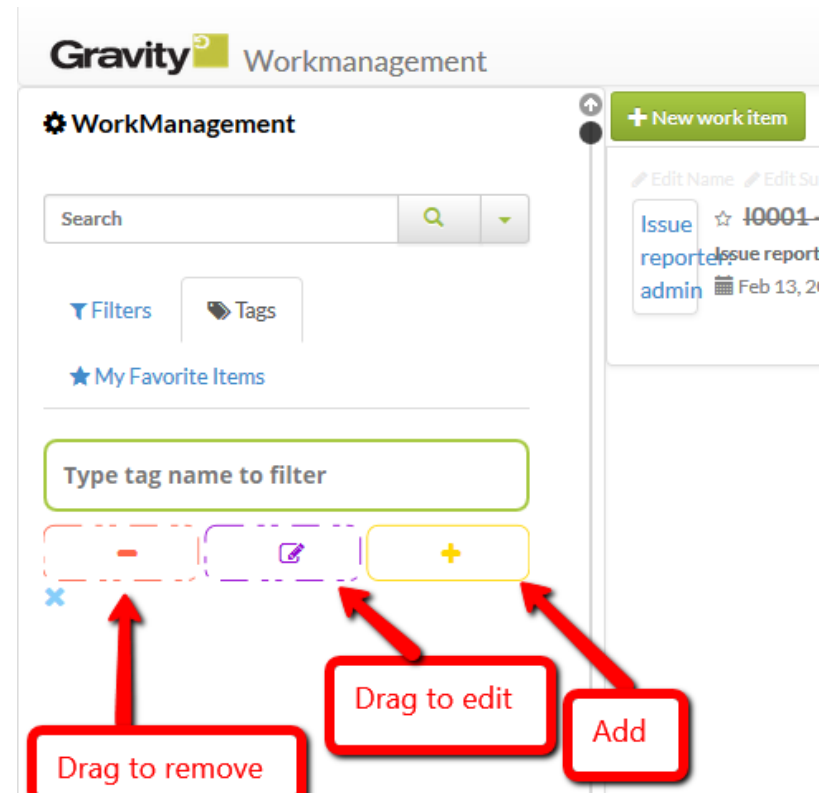
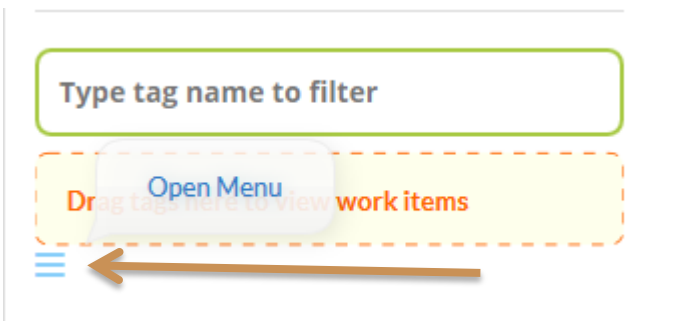
> System Defined Tags

- Assignee
- Application
- Priority
- Reporter
- Status
- Stage
- Status Stage
- Severity
- Severity
- Type
- Workflow



Work Management - Tags

- > Tags (Web Only)
- > User Defined Tags
- > Parent/Child



Work Management - Tags

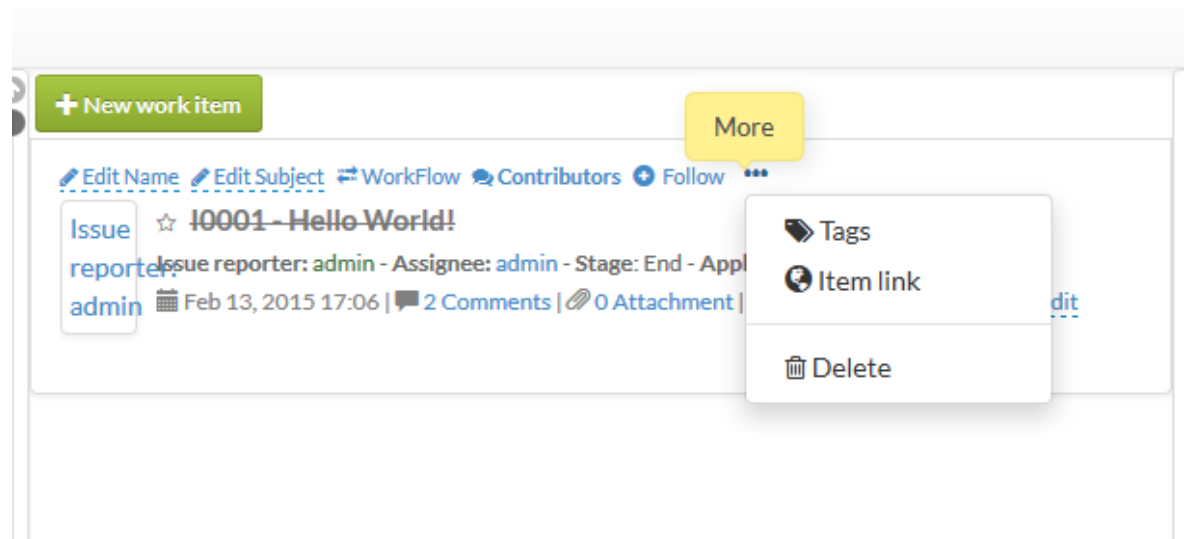


> Tags (Web Only)

> Hoover above item to activate menu bar

> Click “...” More

> Click Tags



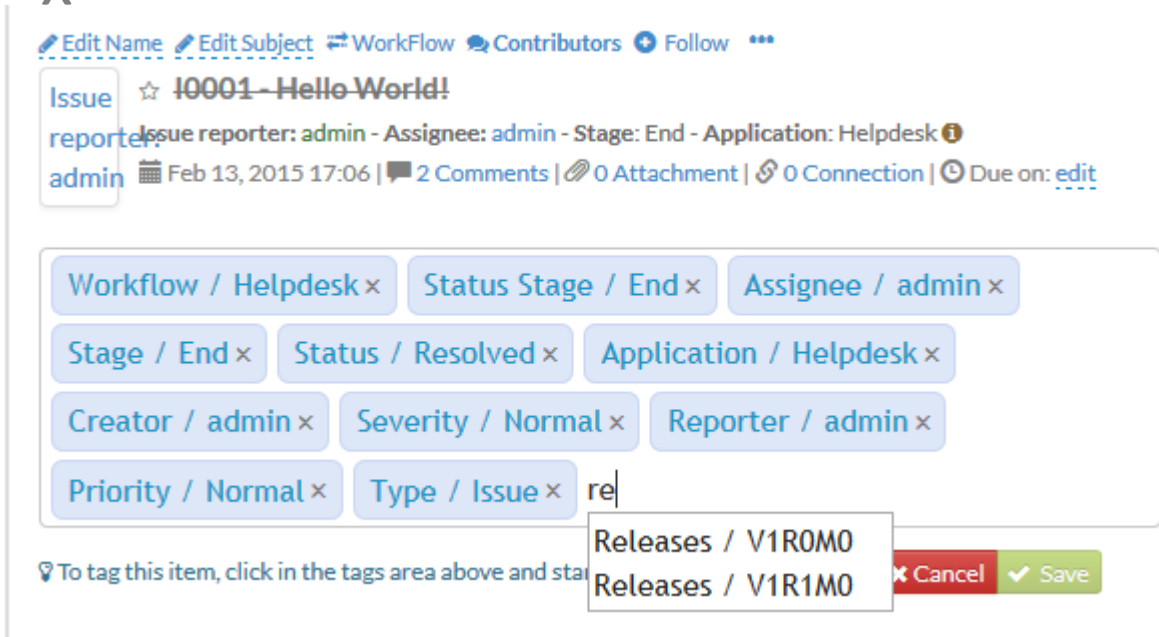
Work Management - Tags



> Tags (Web Only)

> To add, just start typing

> To remove use “x”



The screenshot shows a web interface for managing issues. At the top, there are links for 'Edit Name', 'Edit Subject', 'WorkFlow', 'Contributors', 'Follow', and a menu icon. Below these is an 'Issue' section with a star icon and the title '10001 - Hello World!'. The issue details include 'Issue reporter: admin', 'Assignee: admin', 'Stage: End', and 'Application: Helpdesk'. A date 'Feb 13, 2015 17:06' and '2 Comments' are also shown. Below the issue details is a list of tags, each with an 'x' icon for removal. The tags are: 'Workflow / Helpdesk', 'Status Stage / End', 'Assignee / admin', 'Stage / End', 'Status / Resolved', 'Application / Helpdesk', 'Creator / admin', 'Severity / Normal', 'Reporter / admin', 'Priority / Normal', 'Type / Issue', and 're'. A search bar is visible next to the 're' tag. Below the tags is a prompt: 'To tag this item, click in the tags area above and start typing'. A dropdown menu is open, showing 'Releases / V1R0M0' and 'Releases / V1R1M0'. At the bottom right are 'Cancel' and 'Save' buttons.

[Edit Name](#) [Edit Subject](#) [WorkFlow](#) [Contributors](#) [Follow](#) [...](#)

Issue ☆ **10001 - Hello World!**

Issue reporter: admin - Assignee: admin - Stage: End - Application: Helpdesk ⓘ

admin Feb 13, 2015 17:06 | 2 Comments | 0 Attachment | 0 Connection | Due on: [edit](#)

Workflow / Helpdesk × Status Stage / End × Assignee / admin ×

Stage / End × Status / Resolved × Application / Helpdesk ×

Creator / admin × Severity / Normal × Reporter / admin ×

Priority / Normal × Type / Issue × re |

Releases / V1R0M0

Releases / V1R1M0

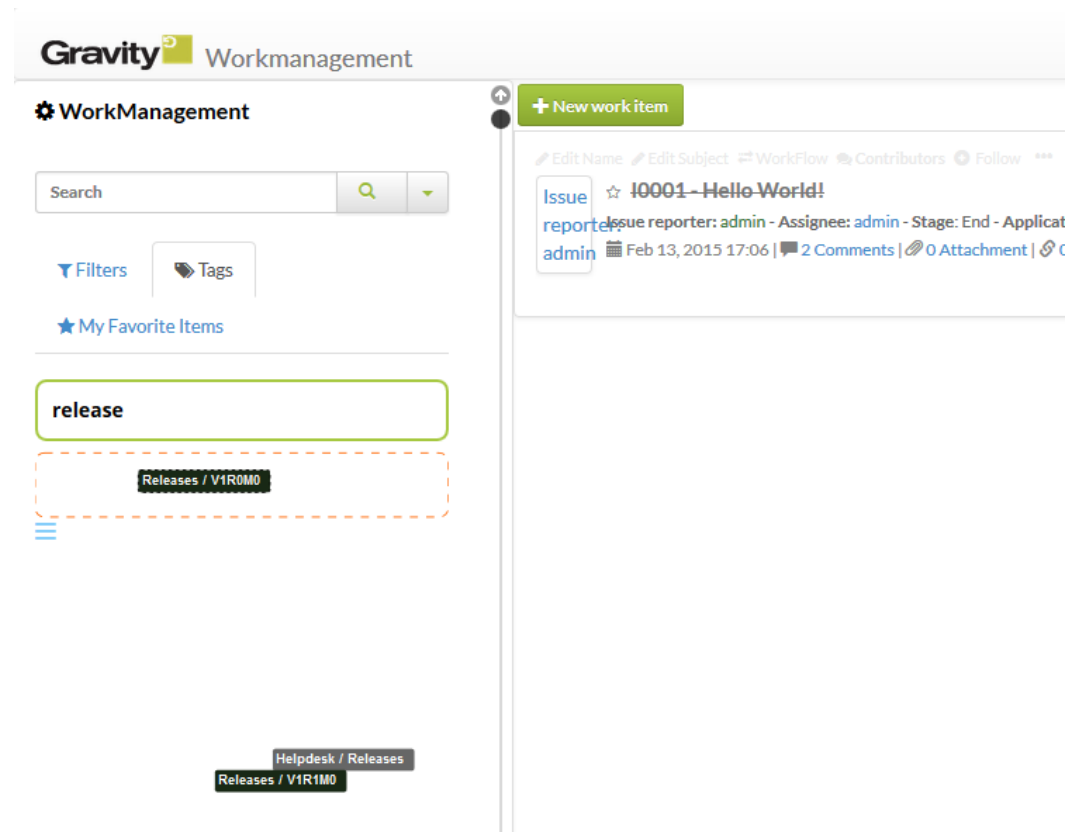
To tag this item, click in the tags area above and start typing

Cancel Save

Work Management - Tags



- > Tags (Web Only)
- > Type required tag
- > Drag tag in box
- > List will be filtered.



Excercise – Tags



- > Open the browser
- > Open Tags
- > Play with tagging
 - > Use Tags to filter the list
 - > Add new Tags
 - > Add Tag to Item

Work Management - Items



> Main Item Parts

> Subject and Description

> Attributes

- Status, Priority, Assigned to, etc..

> Dates

> Discussion

> Attachments

> Contributors

> Connections

A screenshot of a "New Issue" form window. The window has a title bar with a green icon and the text "New Issue". Below the title bar, a message states "Fields marked with * are required." The form is divided into two main sections: "Details" and "Project Information". The "Details" section contains fields for "Title:" (with a "Generate" checkbox), "Subject:", "Assigned To:" (dropdown menu showing "admin"), "Reported By:" (dropdown menu showing "admin"), "Application:" (dropdown menu showing "Helpdesk"), "Work Flow:" (dropdown menu showing "Helpdesk"), "Type:" (dropdown menu showing "Issue"), "Priority:" (dropdown menu showing "Normal"), "Severity:" (dropdown menu showing "Normal"), and "Status:" (dropdown menu showing "New"). The "Project Information" section contains fields for "Expected Start Date:", "Expected End Date:", "Expected Completion Date:" (all with "<choose date>" and a calendar icon), and "Expected Hours:" (text input showing "0.0"). At the bottom of the form, there are four buttons: "< Back", "Next >", "Finish" (highlighted in blue), and "Cancel".

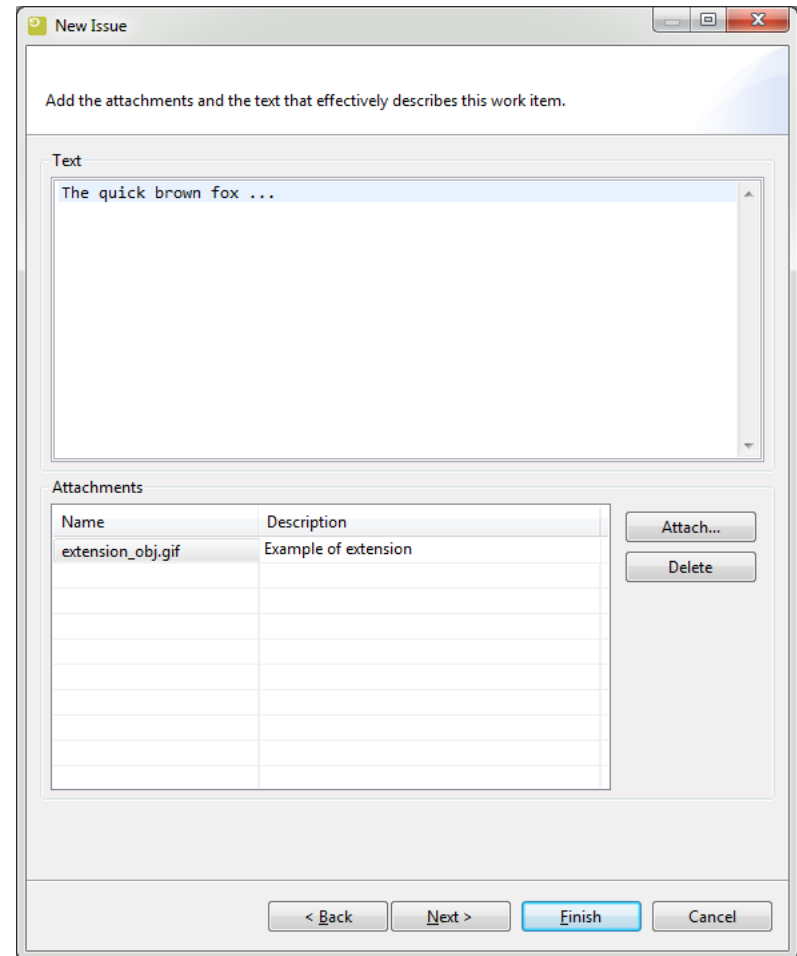
Work Management - Items



> Main Item Parts

> Description

> Attachments

A screenshot of a "New Issue" dialog box. The dialog has a title bar with a green icon and the text "New Issue". Below the title bar is a subtitle: "Add the attachments and the text that effectively describes this work item." The main area is divided into two sections. The top section is labeled "Text" and contains a text area with the text "The quick brown fox ...". The bottom section is labeled "Attachments" and contains a table with two columns: "Name" and "Description". The table has one row with the text "extension_obj.gif" and "Example of extension". To the right of the table are two buttons: "Attach..." and "Delete". At the bottom of the dialog are four buttons: "< Back", "Next >", "Finish", and "Cancel".

Name	Description
extension_obj.gif	Example of extension

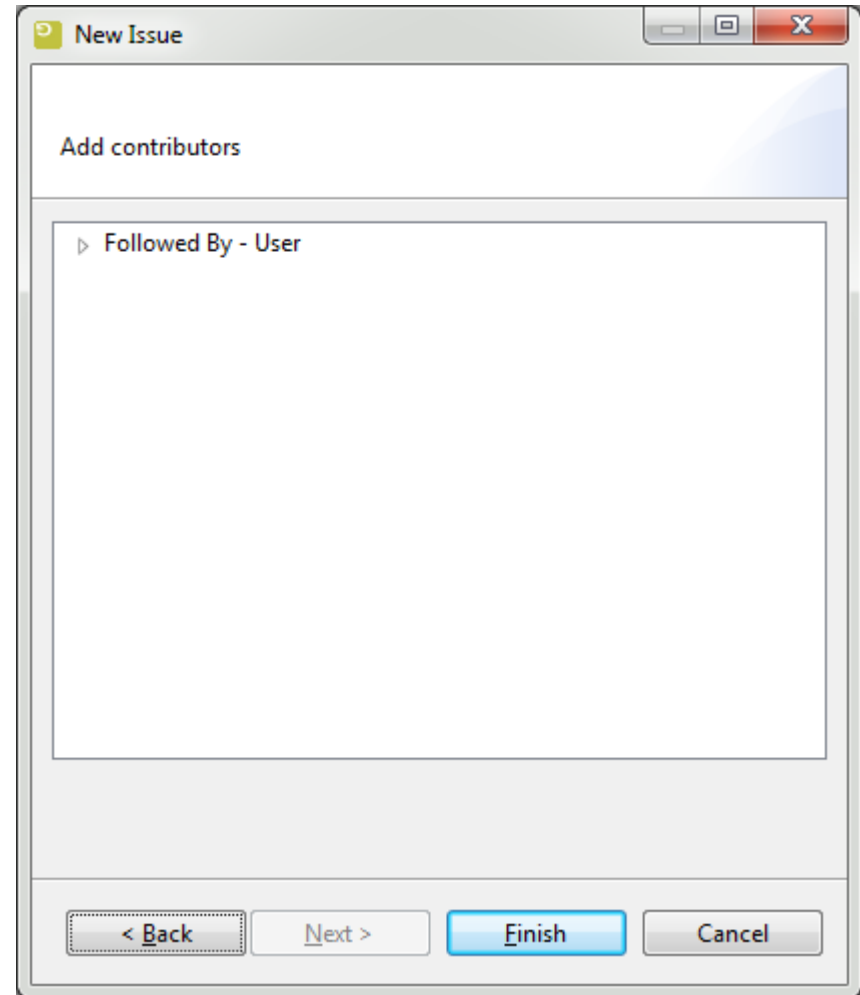


REMAINSSOFTWARE

Work Management - Items



- > Main Item Parts
- > Contributors

A screenshot of a software dialog box titled "New Issue". The dialog has a standard Windows-style title bar with minimize, maximize, and close buttons. The main content area is divided into two sections. The top section is labeled "Add contributors" and has a light blue header. Below this is a large, empty rectangular area with a thin border. The bottom section of the dialog contains four buttons: "< Back" (disabled, grey), "Next >" (disabled, grey), "Finish" (active, blue), and "Cancel" (disabled, grey).

New Issue

Add contributors

Followed By - User

< Back Next > Finish Cancel

Work Management - Items



> Form Editor (Double-Click to open)

The screenshot displays the Gravity Work Management application interface. On the left, a sidebar titled "Gravity Work Management" contains a search bar with the text "type filter text". Below the search bar, there is a tree view of filters. The tree is expanded to show "My Filters (Helpdesk)", which contains "All Issues(2)". Under "All Issues(2)", there are two items: "I0002 - Subject [Helpdesk-Helpdesk-Open]" and "I0001 - Hello World! [Helpdesk-Helpdesk-Open]". Below this, there is "Open Issues(1)" with one item: "I0002 - Subject [Helpdesk-Helpdesk-Open]". At the bottom of the tree is "Shared Filters (Helpdesk)".

The main area of the application shows a detailed form for item "I0002". The form is divided into two main sections: "Details" and "Description".

Details Section:

- Title: I0002
- Generated: Yes
- Subject: Subject
- Creator: admin
- Creation Date: 15-feb-2015 19:09:48
- Application: Helpdesk
- Work Flow: Helpdesk
- Type: Issue
- Priority: Normal
- Severity: Normal
- Status: New
- Assigned To: admin
- Reported By: admin
- Stage: Opened
- Modified Date: 15-feb-2015 19:09:48

Description Section:

The description field contains the text: "The quick brown fox ..."

Below the description field, there are two expandable sections: "Contributors" and "Dependencies".

At the bottom of the form, there are two sections: "Expected Project Results" and "Realized Project Results".

At the very bottom of the application window, there is a tabbed interface with three tabs: "Overview", "Discussion", and "Attachments". The "Overview" tab is currently selected.

Work Management – Item Connections

> Connections

- > Connects Types to Types
- > Request ***“Contains”*** Task

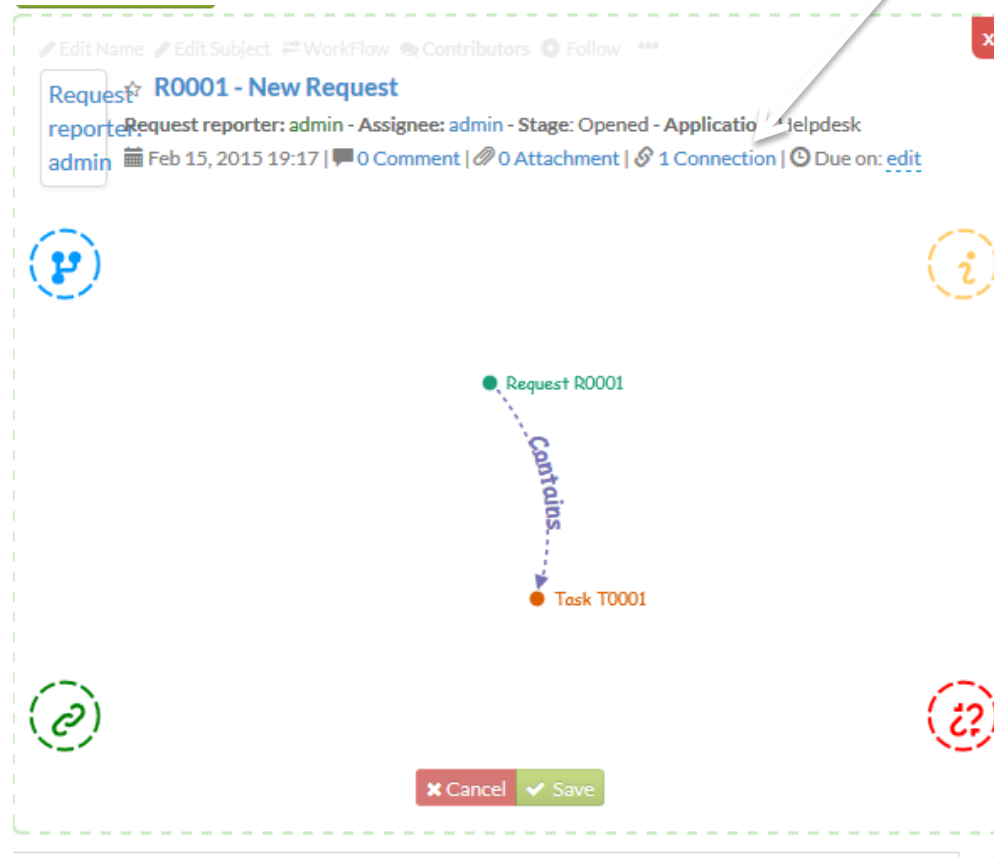
> Contributors

- > Request ***“Followed By”*** User

Work Management – Item Connections



> Web



REMAINSOFTWARE

Exercise – Connections



- > GUI and Web
 - > Create Items
 - > Connect Items

Work Management – Item Views

- > Planning
- > Document Info
- > Capture List

Work Management – Item Views

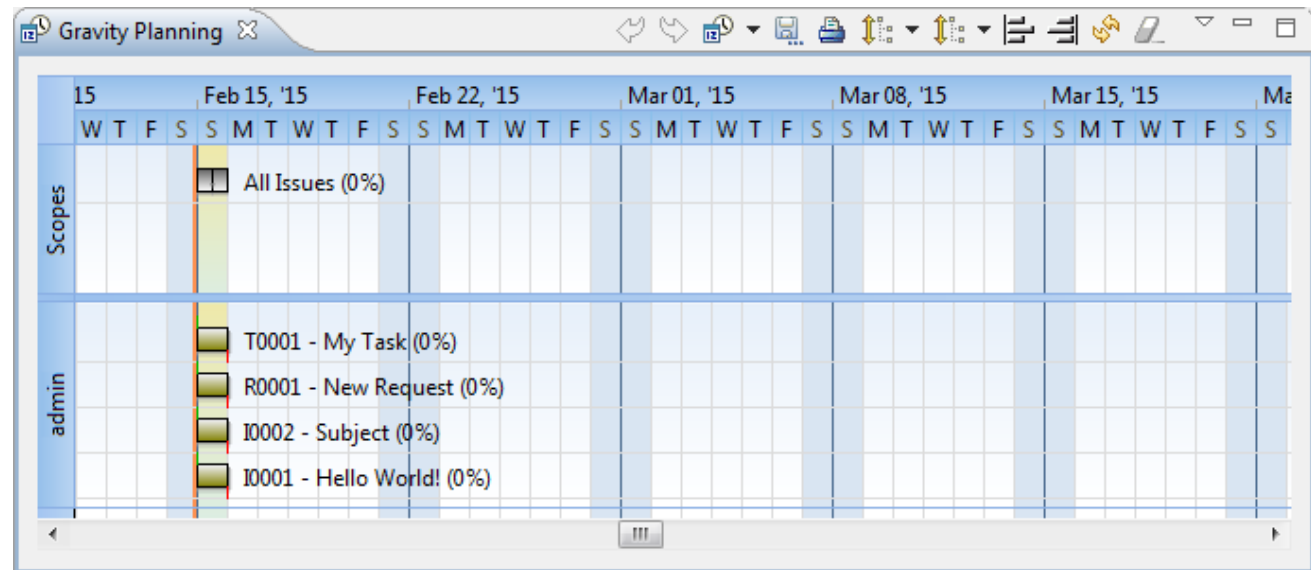
> Planning – Drag Filters and Top Items

> Drag and Resize Details to plan

> Right Click for more options

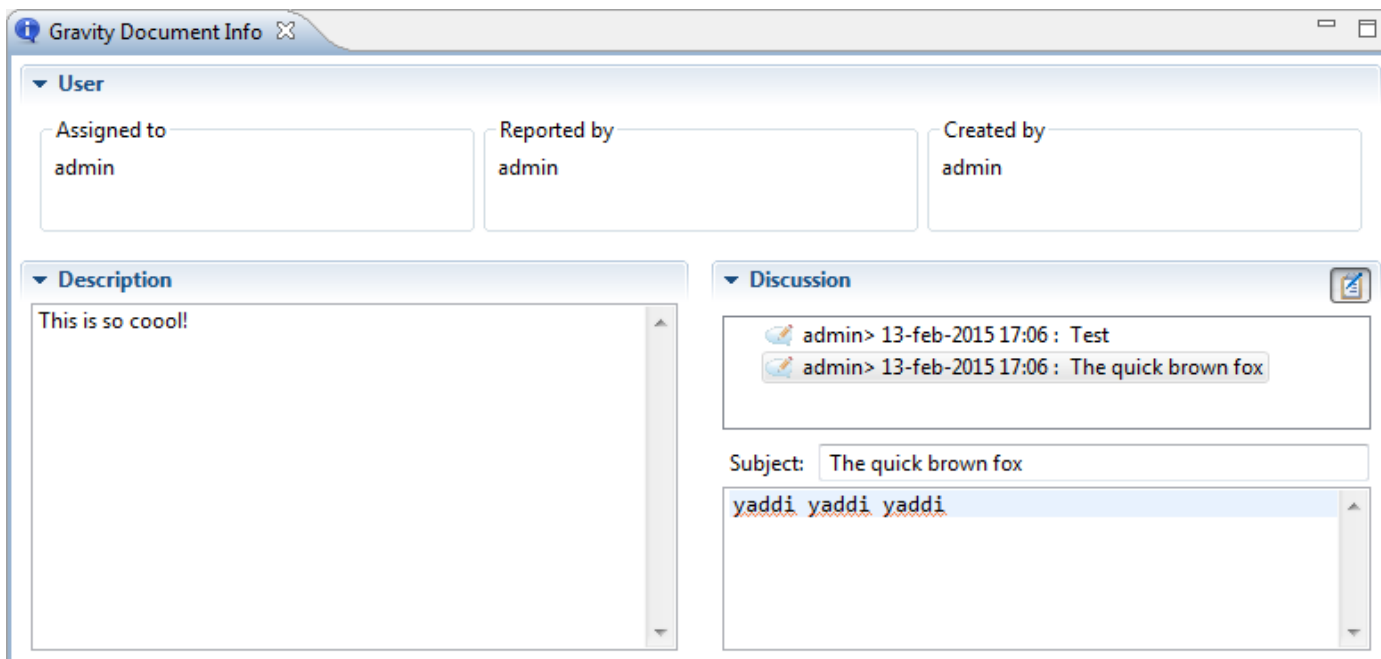
> Toolbar

- Go To
- Print
- Scope
- Order
- Fetch
- Refresh
- Clear



Work Management – Item Views

- > Document Info
- > Quick Item View – Click on Item to see details

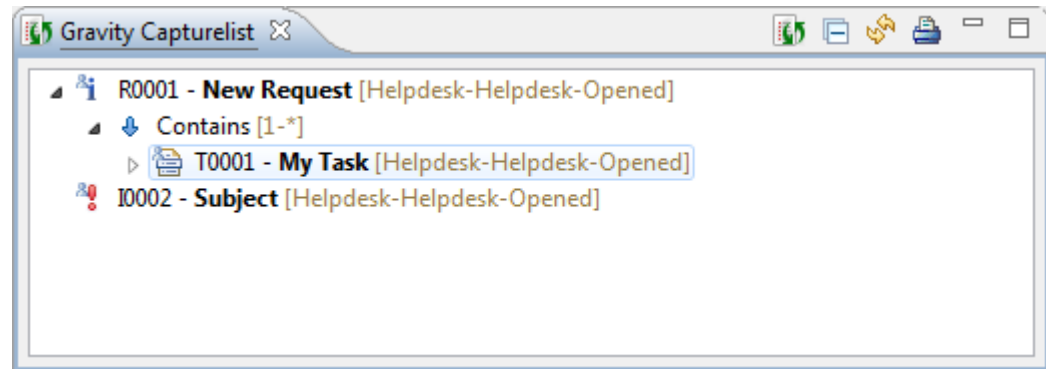


The screenshot shows a web browser window titled "Gravity Document Info". The window is divided into several sections:

- User**: This section contains three input fields, all of which have "admin" entered. The fields are labeled "Assigned to", "Reported by", and "Created by".
- Description**: This section contains a text area with the text "This is so coool!".
- Discussion**: This section contains a list of discussion items. The first item is "admin> 13-feb-2015 17:06 : Test". The second item is "admin> 13-feb-2015 17:06 : The quick brown fox". Below the list, there is a "Subject:" label followed by a text input field containing "The quick brown fox". Below the subject field, there is a text area containing the text "yaddi yaddi yaddi".

Work Management – Item Views

- > Capture List
 - > Volatile List containing Items
 - > Drag items on this list
 - > Scratch Pad / Memento
- > More than one



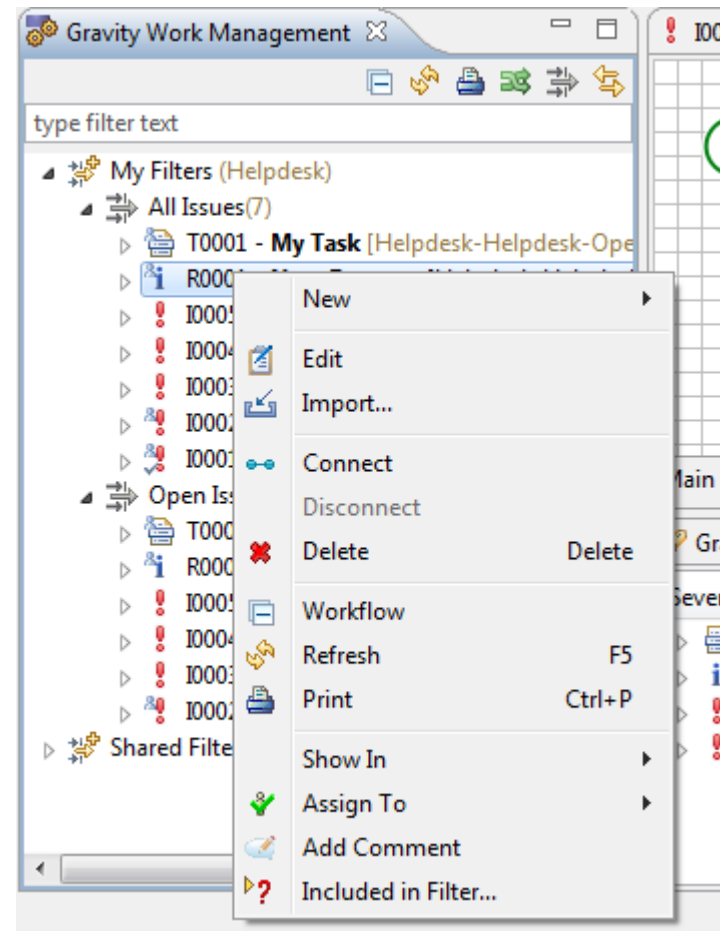
Exercise – Views



- > GUI: Play with
 - > Planning
 - > Document Info
 - > Capture List
 - Create another capture list

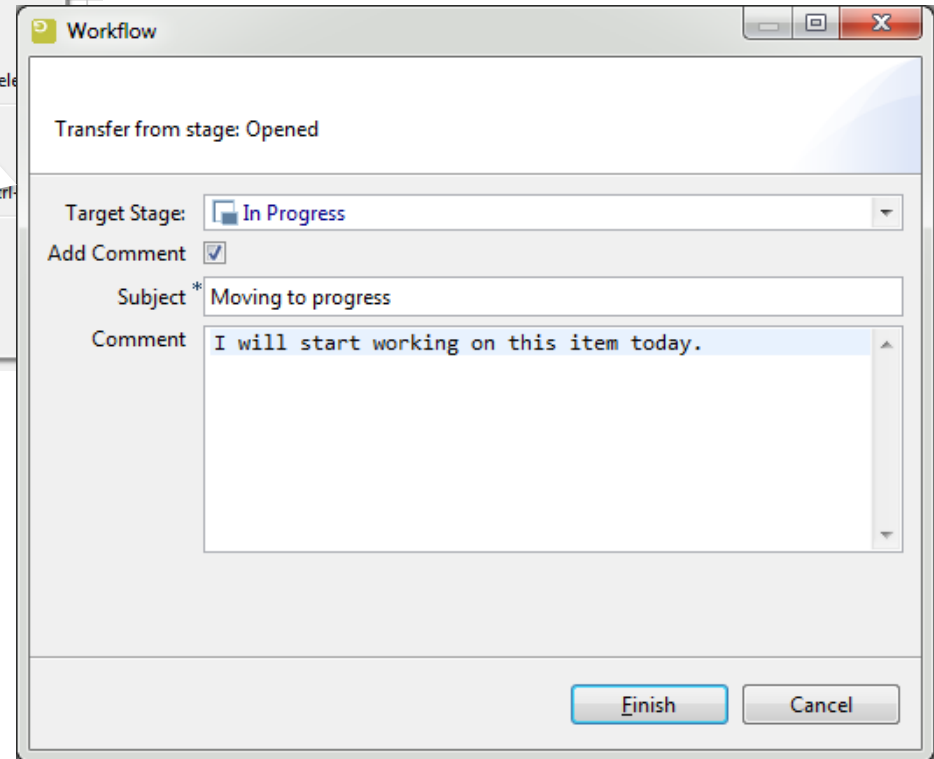
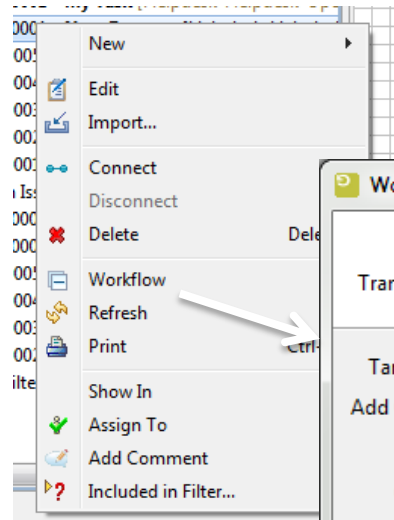
Work Management – Context Menu

- > Right-Click Item
- > Connect Item to Item
- > Add Comment
- > Assign To
- > Workflow



Work Management – Workflow

> Workflow



> Select Target Stage

> Add Comment

> Press Finish



Work Management – Web

- > Workflow
- > Select Target Stage
- > Press Save

[+ New work item](#)


[Edit Name](#)
[Edit Subject](#)
[WorkFlow](#)
[Contributors](#)
[Follow](#)
...

Task
reporter:
admin

☆
T0001 - My Task

Task reporter: admin - Assignee: admin - Stage: In Progress -
 Application: Helpdesk ?

Feb 15, 2015 19:18 | 0 Comment | 0 Attachment | 1 Connection | Due on: [edit](#)



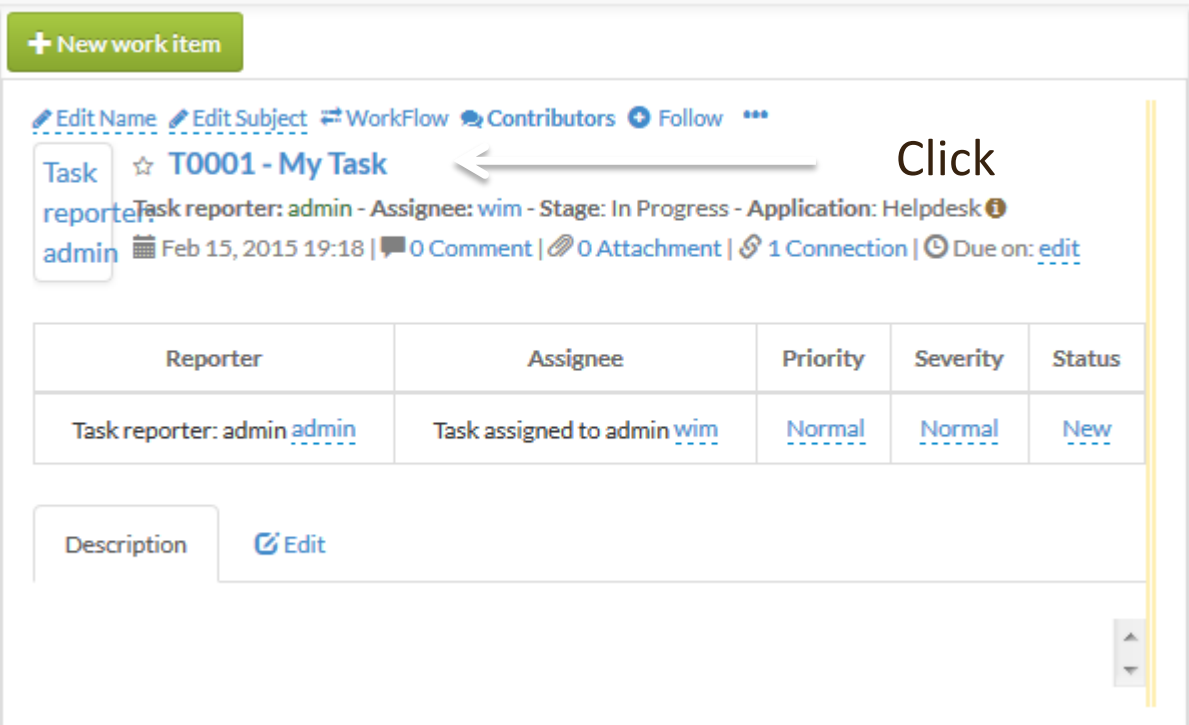
```

graph LR
    InProgress((In Progress)) -- blue --> OnHold((On Hold))
    InProgress -- orange --> Finished((Finished))
    Finished -- orange --> End((End))
            
```

✕ Cancel
✓ Save

Work Management – Web

> Click on title to expose attributes



The screenshot displays a web interface for work management. At the top, there is a green button labeled '+ New work item'. Below this, a task card is shown for 'T0001 - My Task'. The card includes a 'Task' label, a star icon, and a title. A white arrow points to the title 'T0001 - My Task' with the word 'Click' next to it. Below the title, the task details are listed: 'Task reporter: admin - Assignee: wim - Stage: In Progress - Application: Helpdesk'. Further down, there is a table with columns for Reporter, Assignee, Priority, Severity, and Status. The table contains one row with the following data: Reporter: Task reporter: admin admin, Assignee: Task assigned to admin wim, Priority: Normal, Severity: Normal, Status: New. Below the table, there is a 'Description' section with an 'Edit' button.

Reporter	Assignee	Priority	Severity	Status
Task reporter: admin admin	Task assigned to admin wim	Normal	Normal	New

Exercise – Item Actions



- > Use the Web and the GUI
 - > Move Item through Workflow
 - > Add Comments
 - > Add Attachments
 - > Assign to people

Innovative
Easy to adopt
Flexible



Control
Insight
Simplicity



Support for PHP, Java, RPG,
Cobol, CA Plex, CA 2E, LANSAs,
and more



Application
modernization
support

IBM i application
lifecycle and change
management
TD/OMS & GRAVITY



Multiplatform
deployment



Building
tomorrow's
business

Integration with X-Analysis,
IBM RTC, RPG Toolbox,
Zend Studio

IT operations
improvement

User Admin

Defining Groups, Users and Roles



REMAINSOFTWARE

User Admin – Additional Types

Besides Item Types there are also Group and User Types.

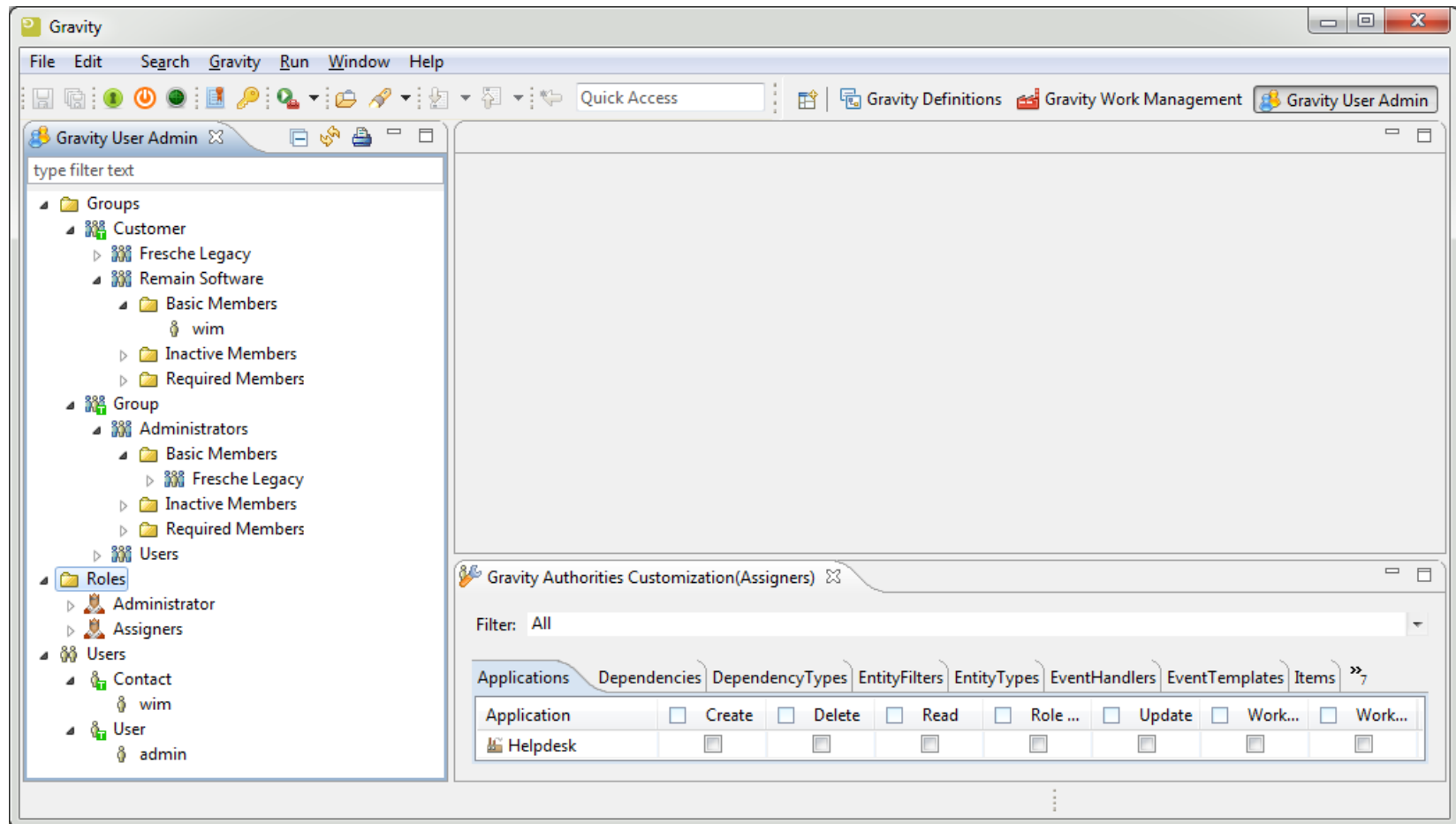
Examples of Groups are Customers and Departments

Examples of Users are Employees and Contacts

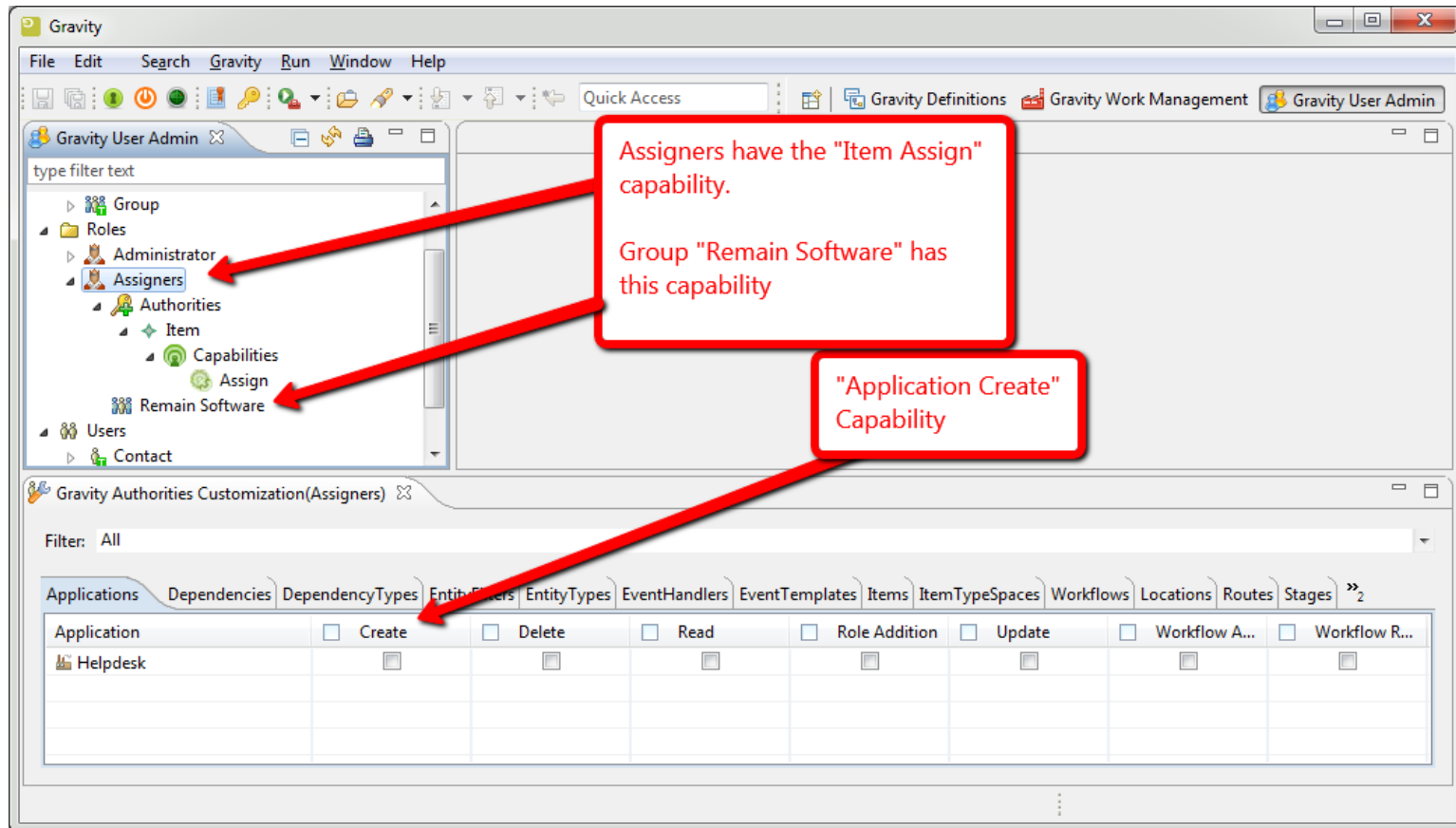
Excercise – Types

- > Open the Definitions Perspective
 - > Add Group Types
 - > Add User Types
 - > Connect User Type to Group Type
- > Open the User Admin Perspective
 - > Create instances of these types
 - > Change the e-mail address of admin into your e-mail address

User Admin – Perspective



User Admin – Perspective



The screenshot shows the Gravity User Admin interface. On the left, a tree view under 'Gravity User Admin' shows the hierarchy: Group > Roles > Administrator > Assigners. The 'Assigners' node is selected. Below it, the 'Gravity Authorities Customization(Assigners)' window is open, showing a table with columns for various capabilities. Red arrows point from text boxes to specific elements in the interface.

Assigners have the "Item Assign" capability.

Group "Remain Software" has this capability

"Application Create" Capability

Application	Create	Delete	Read	Role Addition	Update	Workflow A...	Workflow R...
Helpdesk	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Innovative
Easy to adopt
Flexible



Control
Insight
Simplicity



Support for PHP, Java, RPG,
Cobol, CA Plex, CA 2E, LANSAs,
and more



Application
modernization
support

IBM i application
lifecycle and change
management
TD/OMS & GRAVITY



Multiplatform
deployment



Building
tomorrow's
business

Integration with X-Analysis,
IBM RTC, RPG Toolbox,
Zend Studio

IT operations
improvement

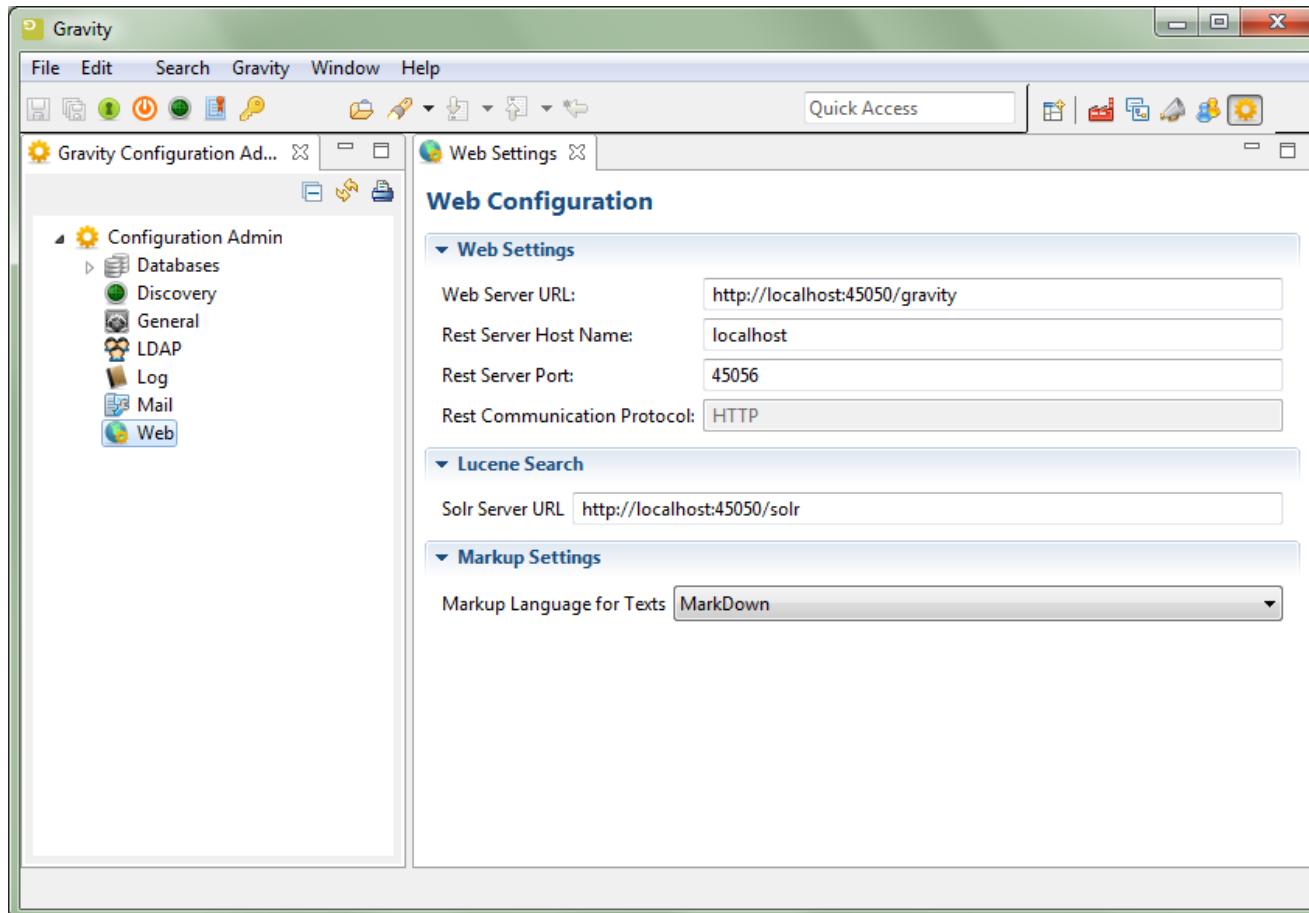
Configuration

Configuring Mail and other things



REMAINSOFTWARE

Configuration - Perspective



Configuration - Web

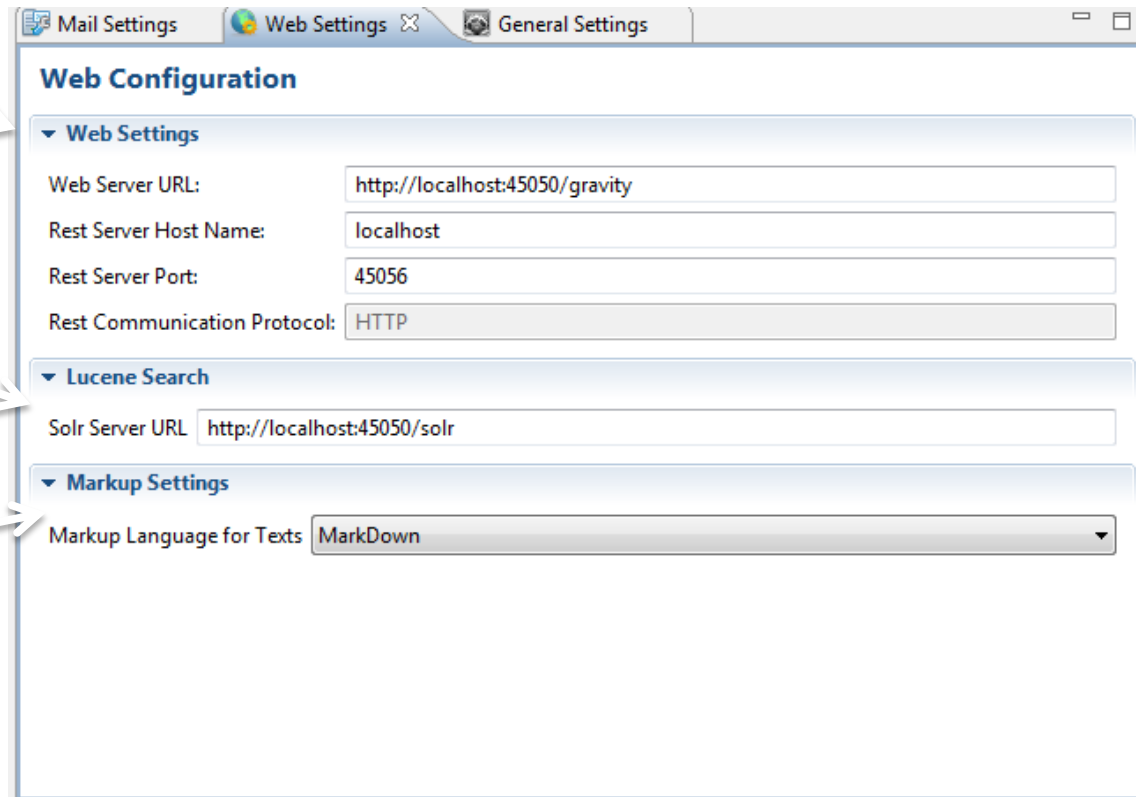
> Server URL

> Search

> Markup Dialect

> MediaWiki

> MarkDown



The screenshot shows the 'Web Configuration' window with three tabs: 'Mail Settings', 'Web Settings', and 'General Settings'. The 'Web Settings' tab is active. It contains three sections: 'Web Settings', 'Lucene Search', and 'Markup Settings'. The 'Web Settings' section has four fields: 'Web Server URL' (http://localhost:45050/gravity), 'Rest Server Host Name' (localhost), 'Rest Server Port' (45056), and 'Rest Communication Protocol' (HTTP). The 'Lucene Search' section has one field: 'Solr Server URL' (http://localhost:45050/solr). The 'Markup Settings' section has one field: 'Markup Language for Texts' (Markdown). Arrows from the text on the left point to the 'Web Server URL' field, the 'Solr Server URL' field, and the 'Markup Language for Texts' dropdown menu.

Web Configuration	
▼ Web Settings	
Web Server URL:	http://localhost:45050/gravity
Rest Server Host Name:	localhost
Rest Server Port:	45056
Rest Communication Protocol:	HTTP
▼ Lucene Search	
Solr Server URL	http://localhost:45050/solr
▼ Markup Settings	
Markup Language for Texts	Markdown



Configuration - Mail

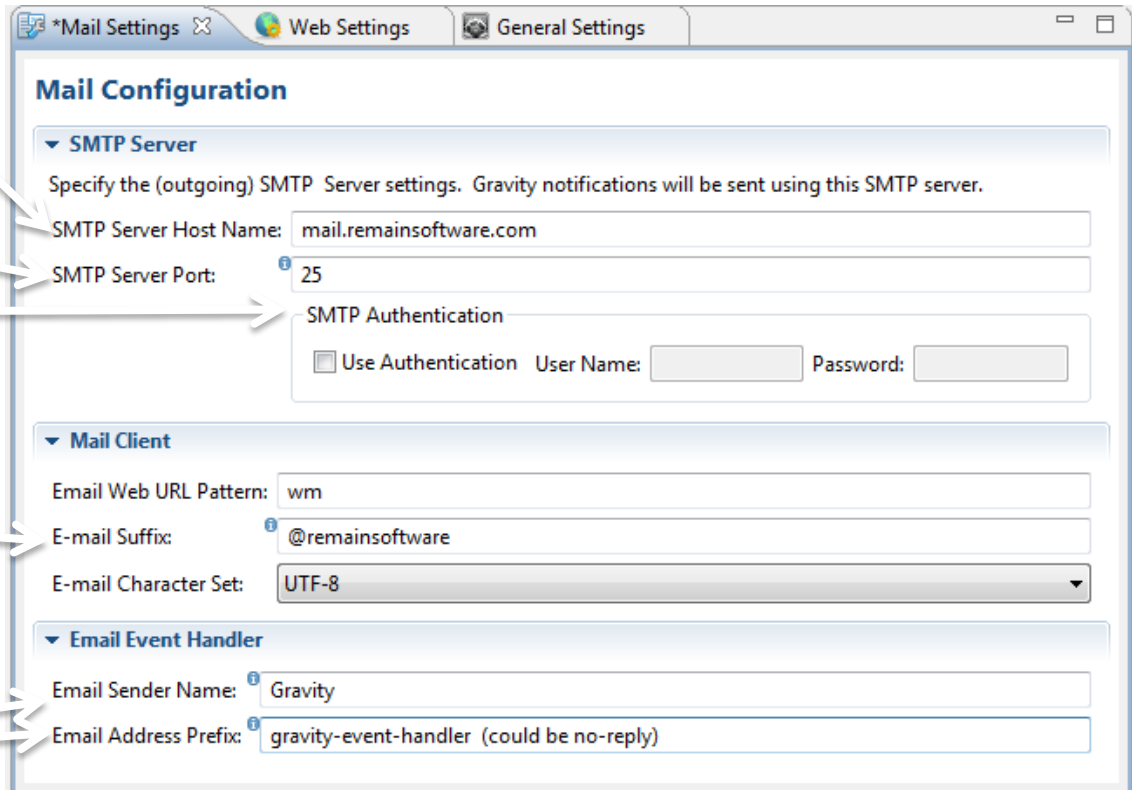
> SMTP Server

> Port

> Auth

> Domain

> Sender



The screenshot shows the 'Mail Configuration' window with the following settings:

- SMTP Server**
 - Specify the (outgoing) SMTP Server settings. Gravity notifications will be sent using this SMTP server.
 - SMTP Server Host Name: mail.remainsoftware.com
 - SMTP Server Port: 25
 - SMTP Authentication
 - ☐ Use Authentication
 - User Name:
 - Password:
- Mail Client**
 - Email Web URL Pattern: wsm
 - E-mail Suffix: @remainsoftware
 - E-mail Character Set: UTF-8
- Email Event Handler**
 - Email Sender Name: Gravity
 - Email Address Prefix: gravity-event-handler (could be no-reply)

Arrows from the labels on the left point to the following fields in the window:

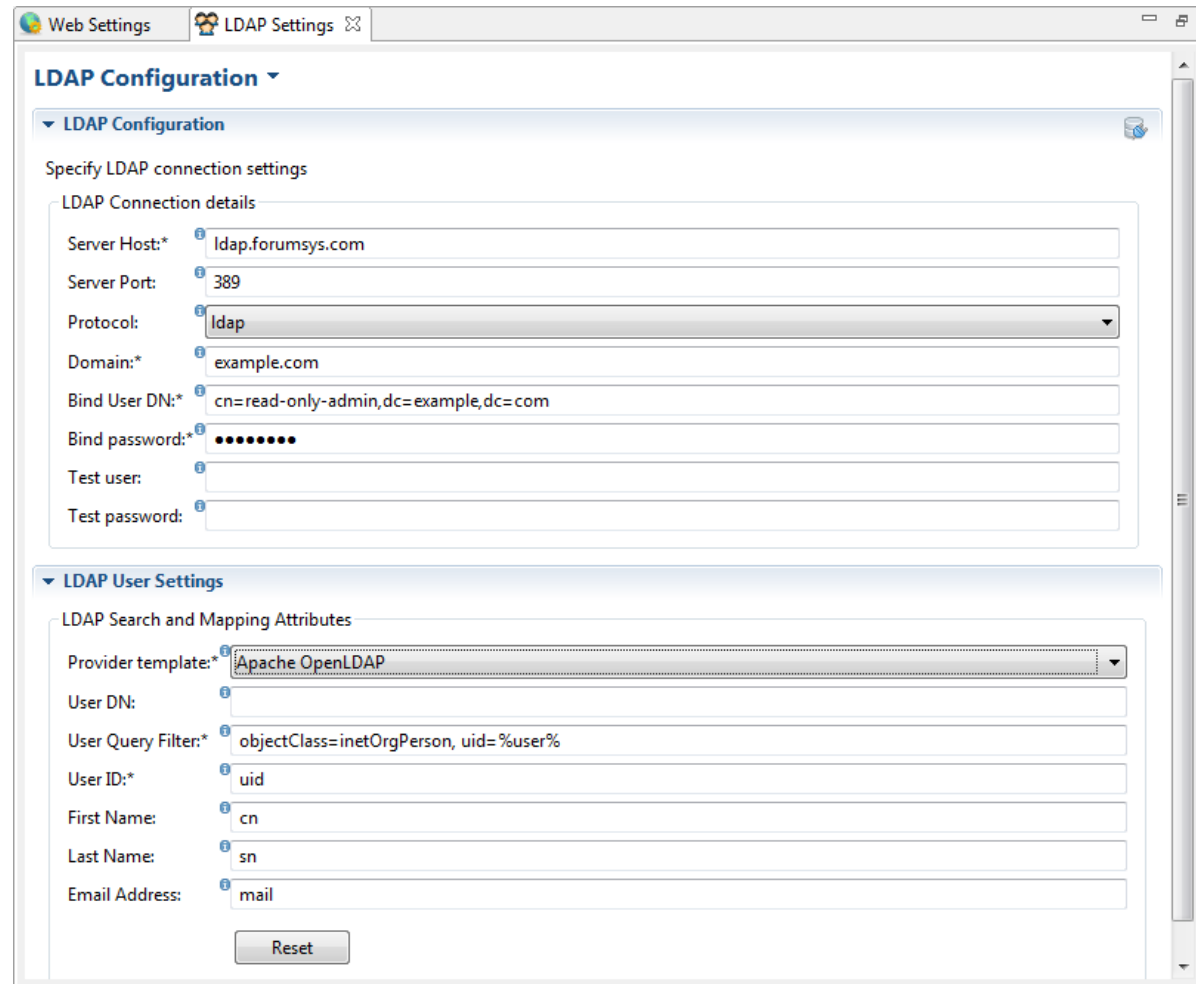
- 'SMTP Server' points to the 'SMTP Server' section header.
- 'Port' points to the 'SMTP Server Port' field.
- 'Auth' points to the 'SMTP Authentication' section.
- 'Domain' points to the 'E-mail Suffix' field.
- 'Sender' points to the 'Email Sender Name' and 'Email Address Prefix' fields.



Configuration – LDAP 1/2

> LDAP Server

> User Setting



The screenshot shows a web browser window with two tabs: 'Web Settings' and 'LDAP Settings'. The 'LDAP Settings' tab is active, displaying the 'LDAP Configuration' section. The interface is divided into two main sections: 'LDAP Configuration' and 'LDAP User Settings'.

LDAP Configuration

Specify LDAP connection settings

LDAP Connection details

- Server Host*: ldap.forumsys.com
- Server Port: 389
- Protocol: ldap (selected from a dropdown menu)
- Domain*: example.com
- Bind User DN*: cn=read-only-admin,dc=example,dc=com
- Bind password*: [masked with dots]
- Test user: [empty field]
- Test password: [empty field]

LDAP User Settings

LDAP Search and Mapping Attributes

- Provider template*: Apache OpenLDAP (selected from a dropdown menu)
- User DN: [empty field]
- User Query Filter*: objectClass=inetOrgPerson, uid=%user%
- User ID*: uid
- First Name: cn
- Last Name: sn
- Email Address: mail

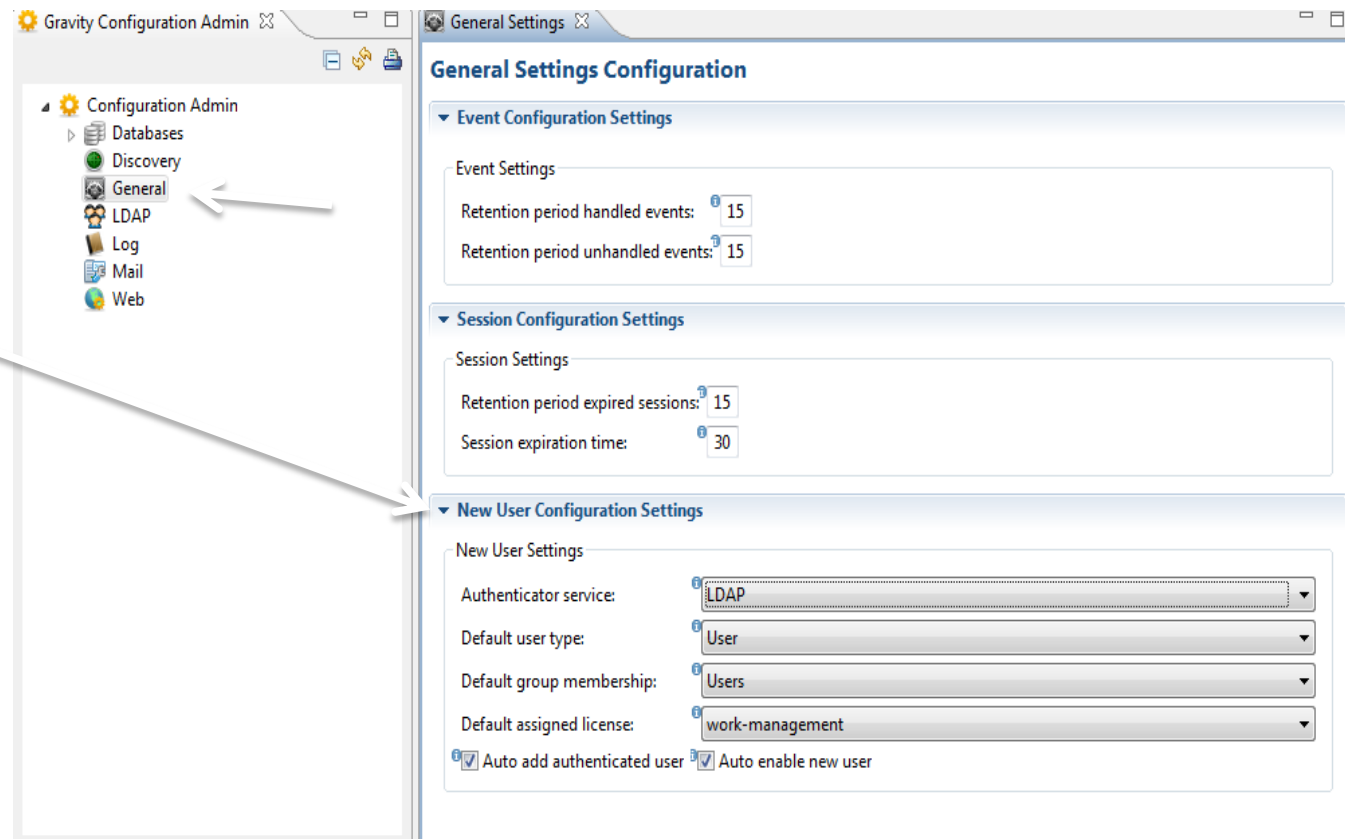
A 'Reset' button is located at the bottom of the 'LDAP User Settings' section.



Configuration – LDAP 2/2



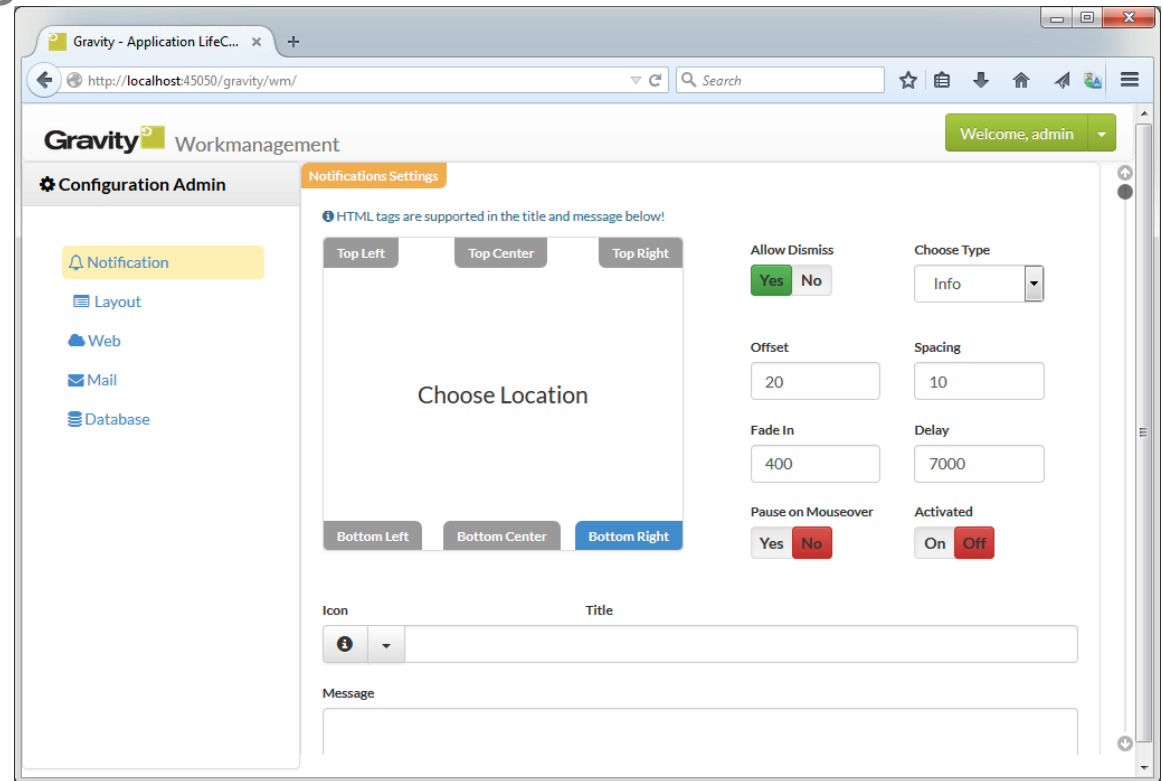
> Where to put new users.



Configuration - Web



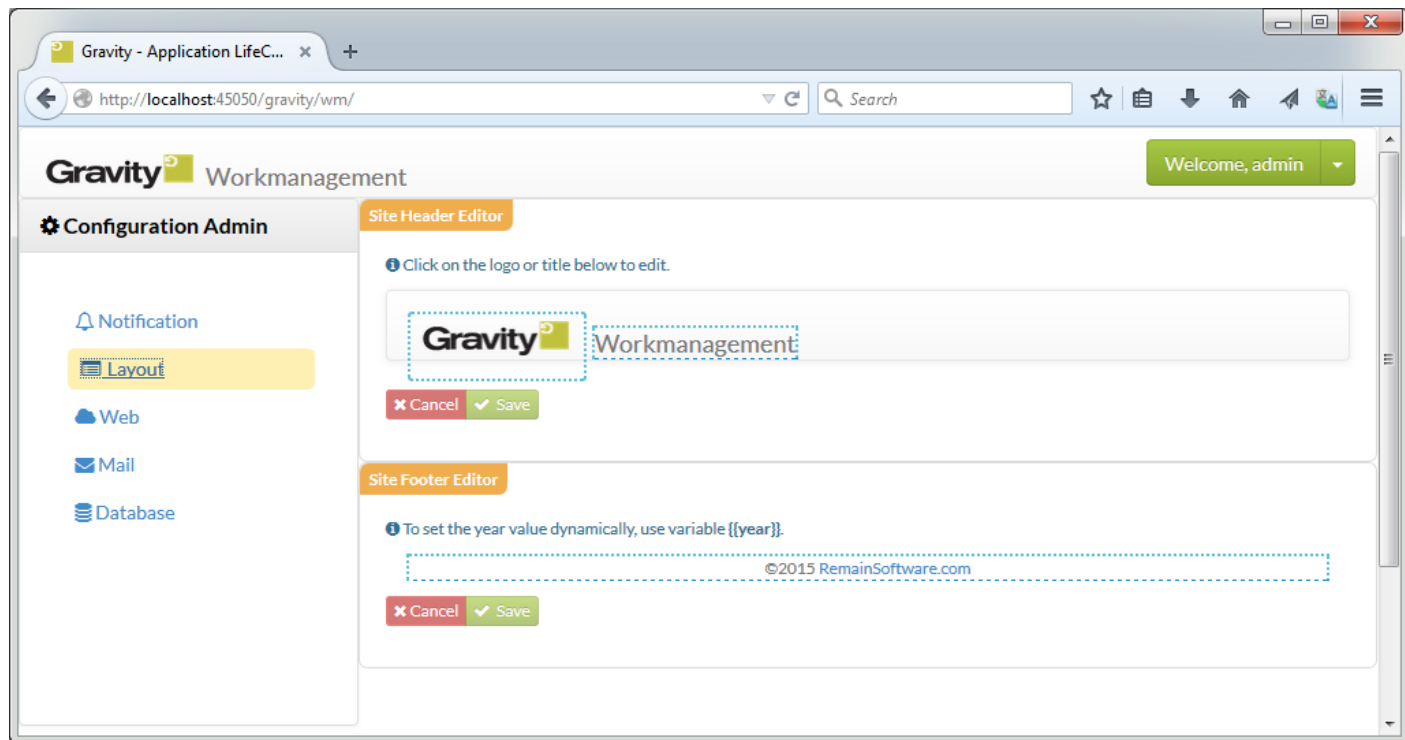
> Server Message



Configuration - Web



> Basic Styling



Excercise – Configuration



- > Set the correct SMTP Server
- > Set the correct mail domain
- > Explore other configuration settings
- > Explore Web Configuration

Innovative
Easy to adopt
Flexible



Control
Insight
Simplicity



Support for PHP, Java, RPG,
Cobol, CA Plex, CA 2E, LANSa,
and more



Application
modernization
support

IBM i application
lifecycle and change
management
TD/OMS & GRAVITY



Multiplatform
deployment



Building
tomorrow's
business

Integration with X-Analysis,
IBM RTC, RPG Toolbox,
Zend Studio

IT operations
improvement

Events

Configuring Actions



REMAINSOFTWARE

> An Event

- > Is something that happens inside Gravity
- > Has a Topic

> Examples of Events

- > gravity/wm/item/added
- > gravity/wm/item/attachment/added
- > gravity/useradmin/user/added

> Services Architecture (1/2)

> Internally Gravity is Services Based

> Examples of Services

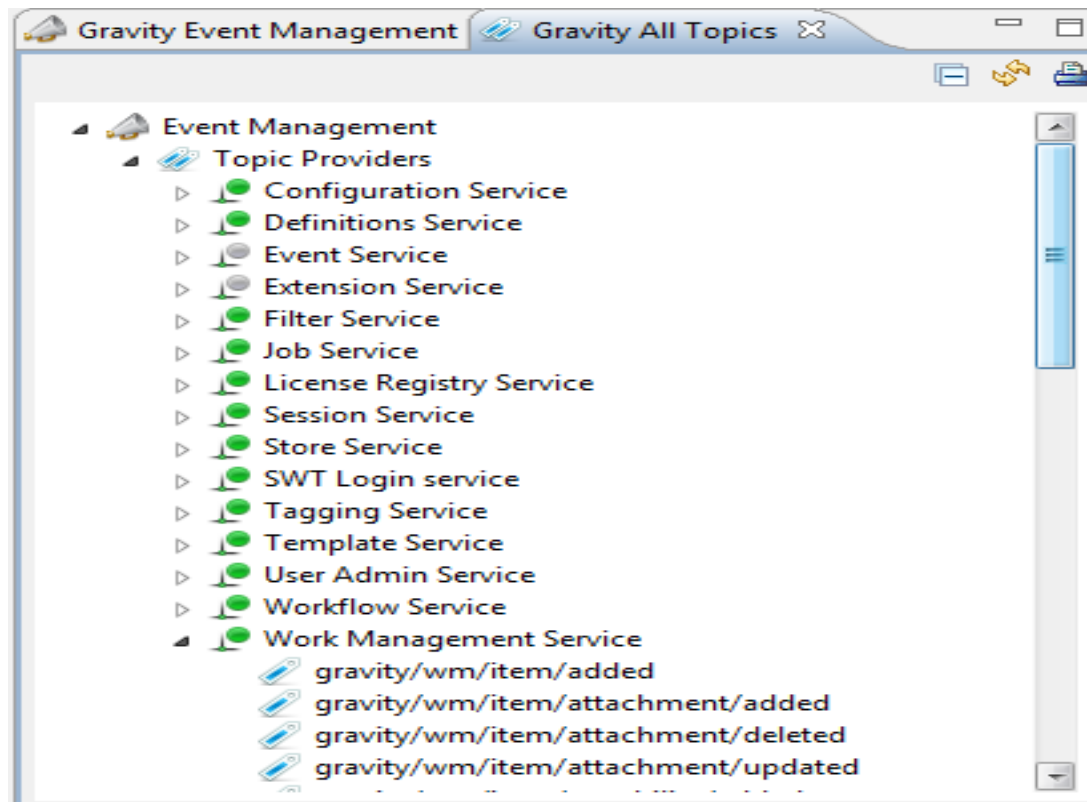
- WorkManagement (item) Service
- WorkFlow Service
- User Admin Service
- Etc..

> Services Provide Events

Events - Concepts



> Services Architecture (2/2)



Events - Concepts

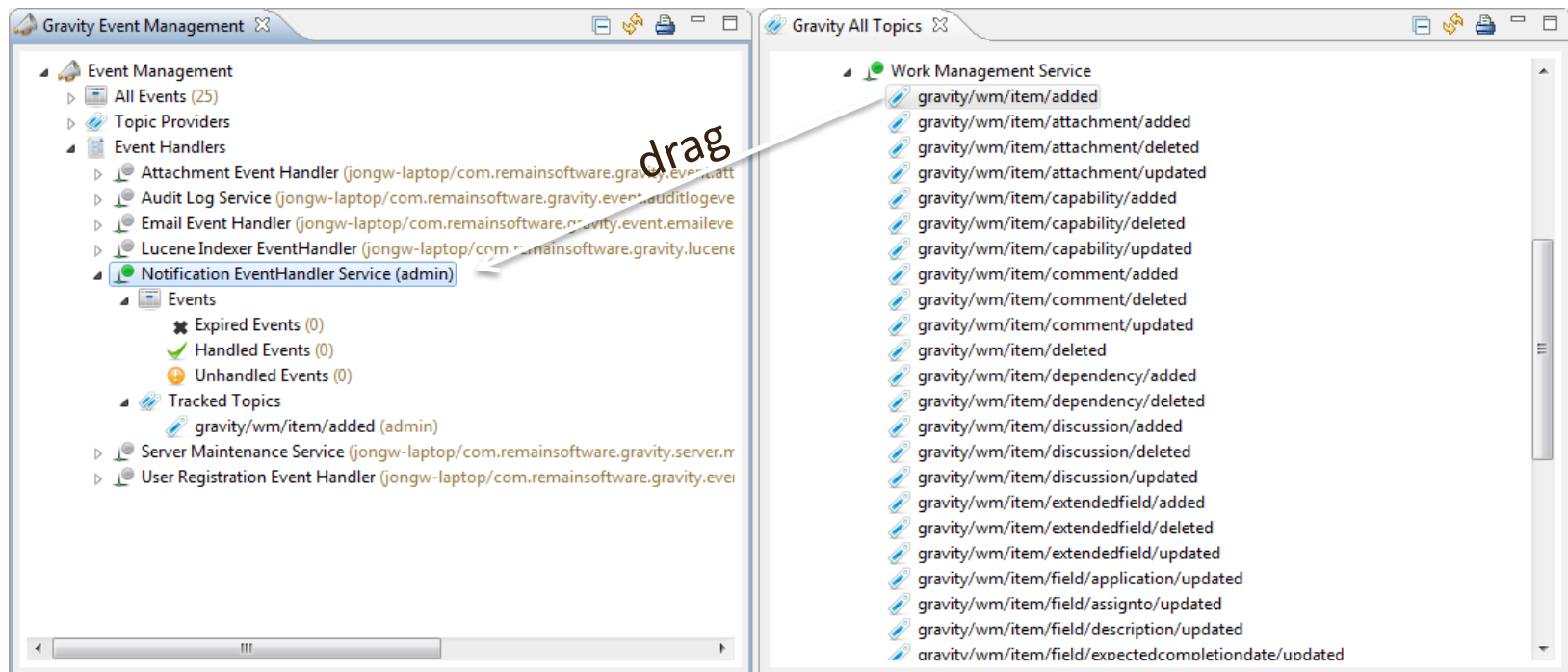


- > Services are Event Providers
- > Events are handled by Event Handlers
- > We assign Event topics to Event handlers
 - > Drag and Drop

Events - Concepts

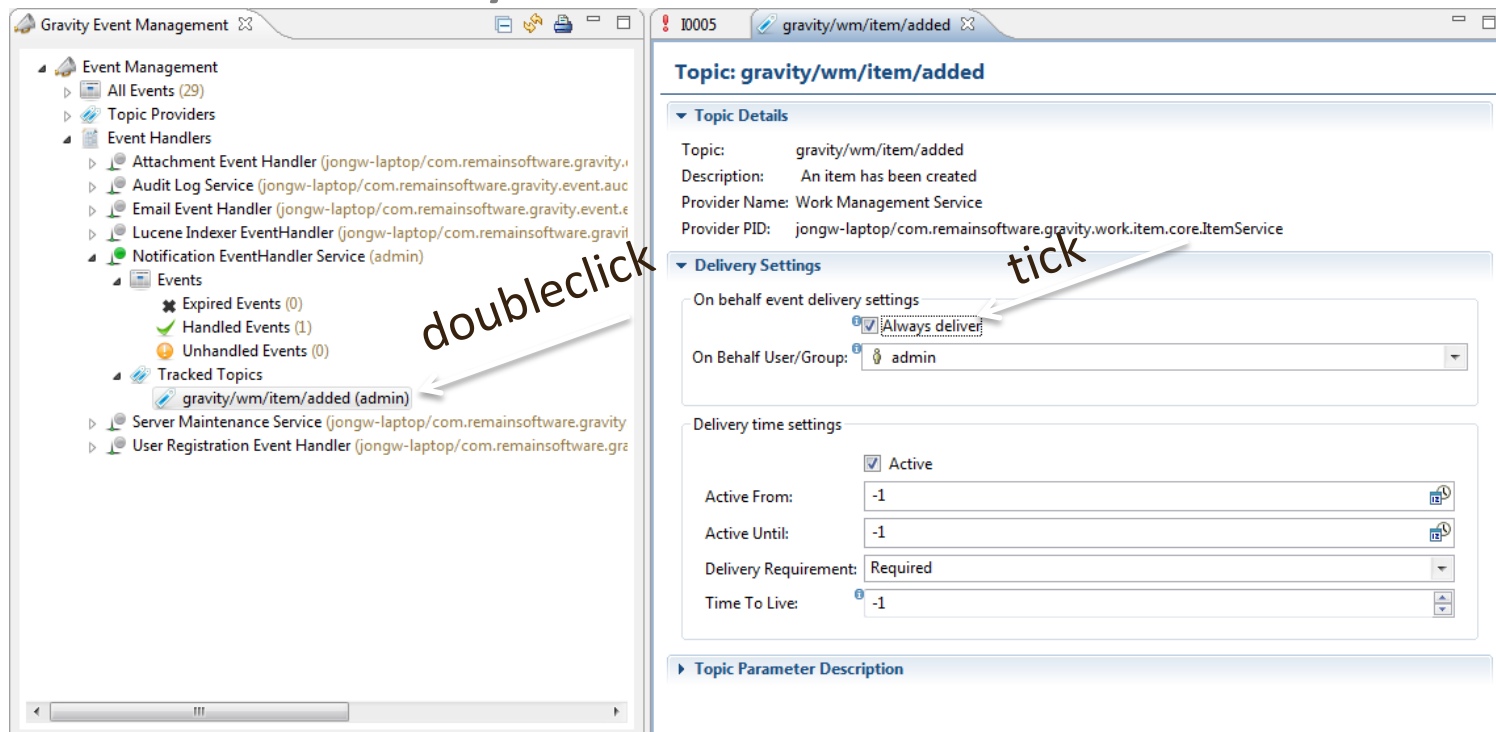


- > In Events Perspective: Put Views side by side
- > Drag event topic onto event handler



Events - Concepts

- > Events are by default not delivered to self
- > Check “Always deliver”

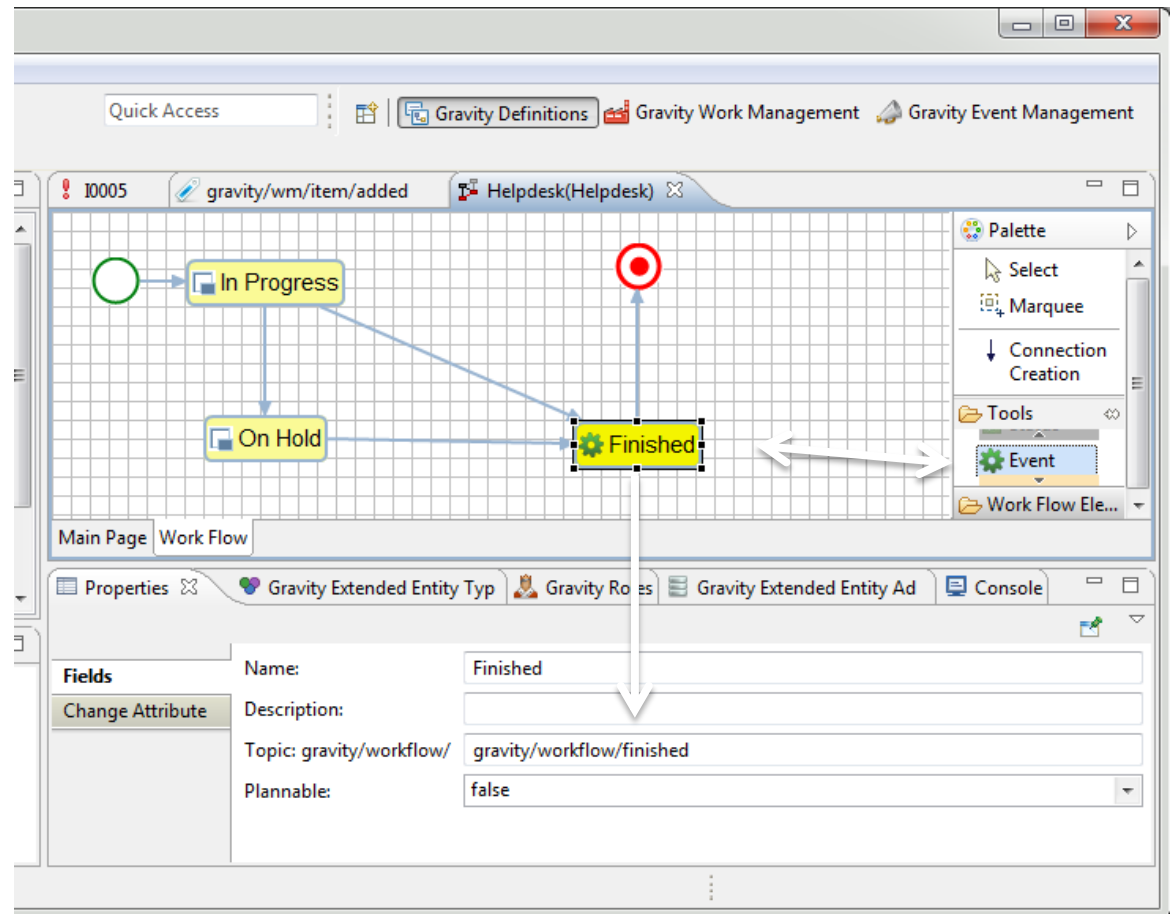


The screenshot displays the Gravity Event Management console. On the left, a tree view under 'Event Management' shows 'Event Handlers' with 'Notification EventHandler Service (admin)' expanded, revealing 'Events' (Expired, Handled, Unhandled) and 'Tracked Topics'. The 'gravity/wm/item/added (admin)' topic is selected. A 'doubleclick' annotation points to this topic. On the right, the 'Topic: gravity/wm/item/added' details are shown. Under 'Delivery Settings', the 'On behalf event delivery settings' section has the 'Always deliver' checkbox checked, with a 'tick' annotation pointing to it. Below this, 'On Behalf User/Group' is set to 'admin'. The 'Delivery time settings' section shows 'Active' checked, with 'Active From', 'Active Until', and 'Time To Live' all set to '-1'. The 'Delivery Requirement' is set to 'Required'.

Events – Workflow Events



Define
custom events
in the workflow



Excercise - Events

- > Drag events to Notification handler
- > Force “Always Deliver”
- > Make sure the event is triggered

- > Drag event to e-mail event handler
- > Force “Always Deliver”
- > Make sure the event is triggered

- > Play some more with events
- > Explore the event views

Innovative
Easy to adopt
Flexible



Control
Insight
Simplicity



Support for PHP, Java, RPG,
Cobol, CA Plex, CA 2E, LANSa,
and more



Application
modernization
support

IBM i application
lifecycle and change
management
TD/OMS & GRAVITY



Multiplatform
deployment



Building
tomorrow's
business

Integration with X-Analysis,
IBM RTC, RPG Toolbox,
Zend Studio

IT operations
improvement

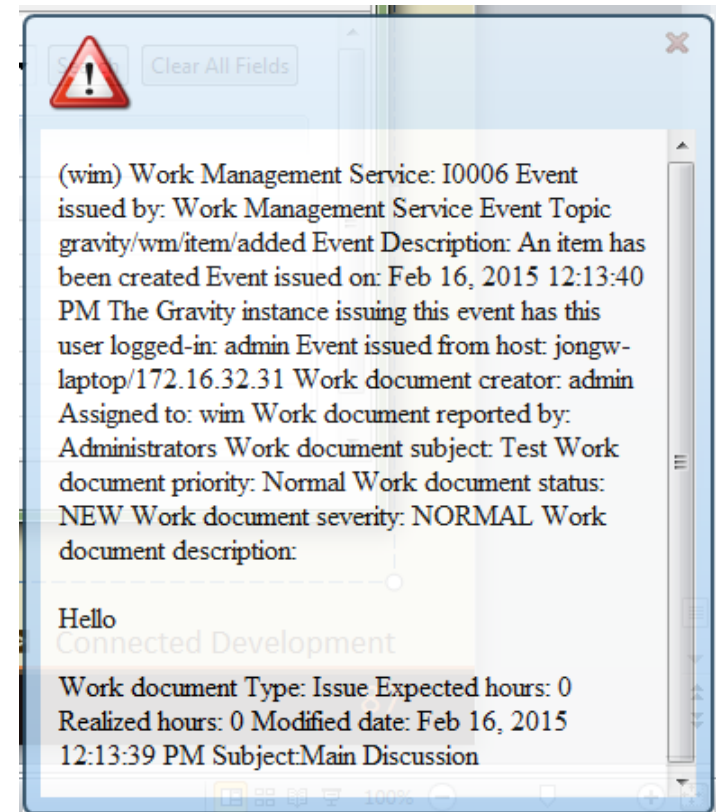
Event Templates



REMAINSSOFTWARE

Events – Workflow Events

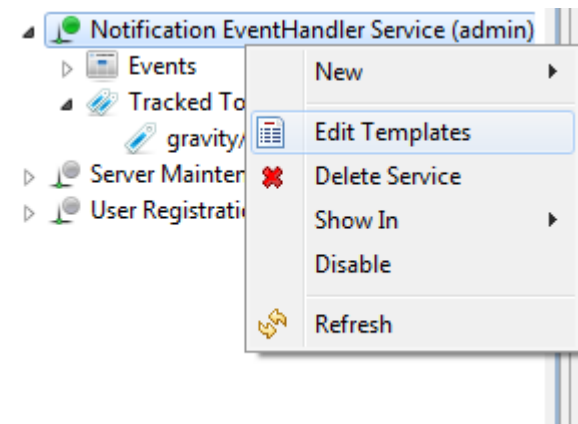
- > What text was sent?
 - > Mail Event Handler
 - > Notification Event Handler
- > Nasty! →



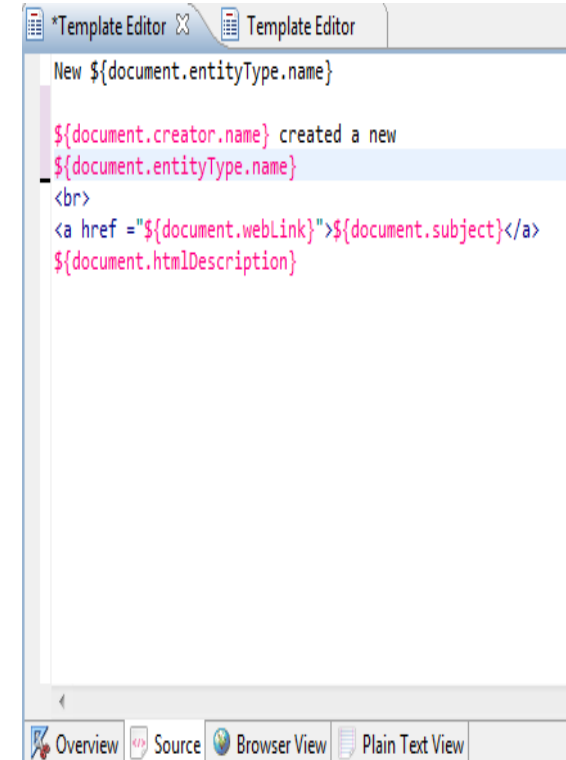
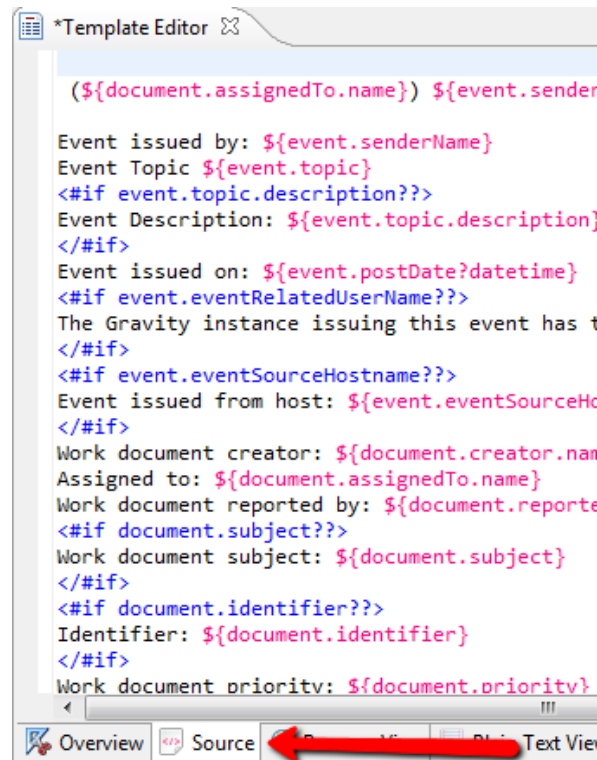
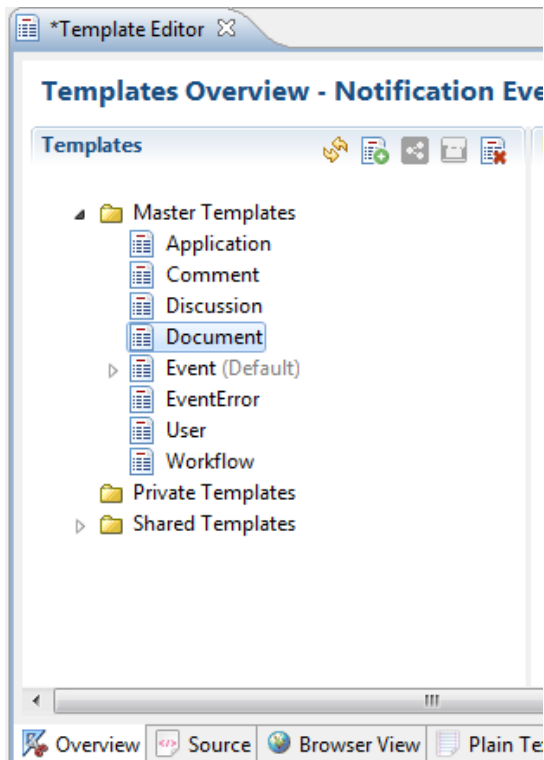
Events – Templates



- > Templates
- > Enable you to:
 - > Send customized texts
 - > Link events to texts
 - > Augment with database values
- > Template Engine used is *FreeMarker*



Events – Templates



Events – Templates

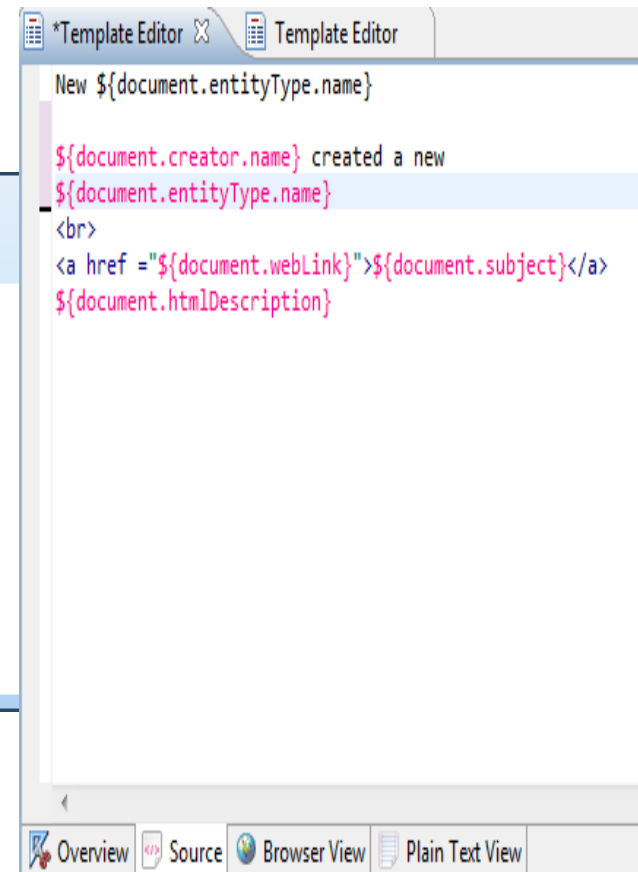


New Request

admin created a new Request

[A new request](#)

The quick brown fox jumps over the lazy dog. Why is the dog so lazy, should he not be more active?



```
*Template Editor X Template Editor
New ${document.entityType.name}

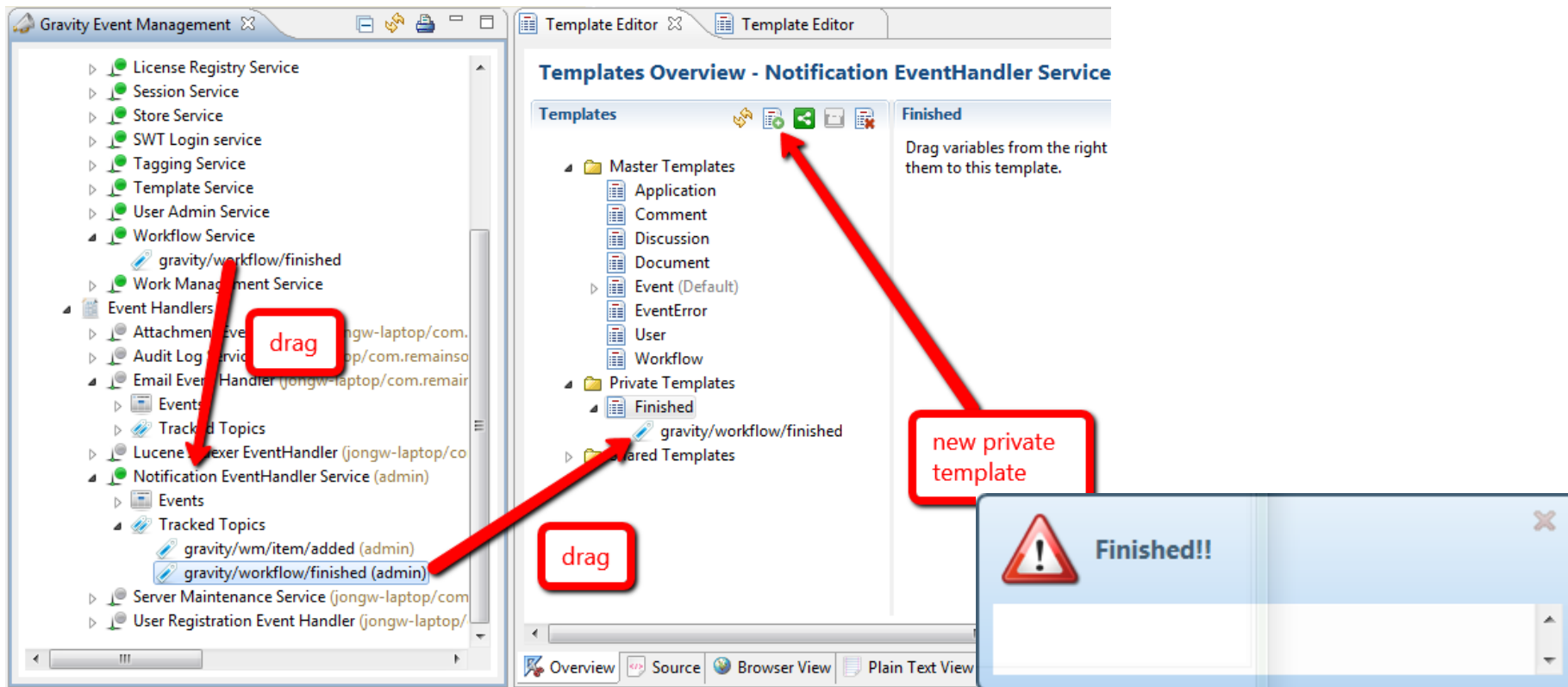
${document.creator.name} created a new
${document.entityType.name}
<br>
<a href ="${document.webLink}">${document.subject}</a>
${document.htmlDescription}
```

Overview Source Browser View Plain Text View



Events – Templates

> Private Templates



The screenshot displays the Gravity Event Management interface. On the left, a tree view shows the 'Event Handlers' section expanded, with 'gravity/workflow/finished' selected. A red box labeled 'drag' is positioned over this item. A red arrow points from this box to the 'Finished' item under the 'Private Templates' section in the 'Templates Overview' pane on the right. Another red arrow points from a red box labeled 'new private template' to the same 'Finished' item. A third red arrow points from a red box labeled 'drag' to the 'gravity/workflow/finished' item in the 'Shared Templates' section. A blue notification box in the bottom right corner displays a warning icon and the text 'Finished!!'.

Excercise – Event Templates



- > Play with the templates
- > Try to make your mail template work
 - > Prove it works
- > Find the notification view

Innovative
Easy to adopt
Flexible



Control
Insight
Simplicity



Support for PHP, Java, RPG,
Cobol, CA Plex, CA 2E, LANSa,
and more



Application
modernization
support

IBM i application
lifecycle and change
management
TD/OMS & GRAVITY



Multiplatform
deployment



Building
tomorrow's
business

Integration with X-Analysis,
IBM RTC, RPG Toolbox,
Zend Studio

IT operations
improvement

Thank you for your attendance



REMAINSSOFTWARE