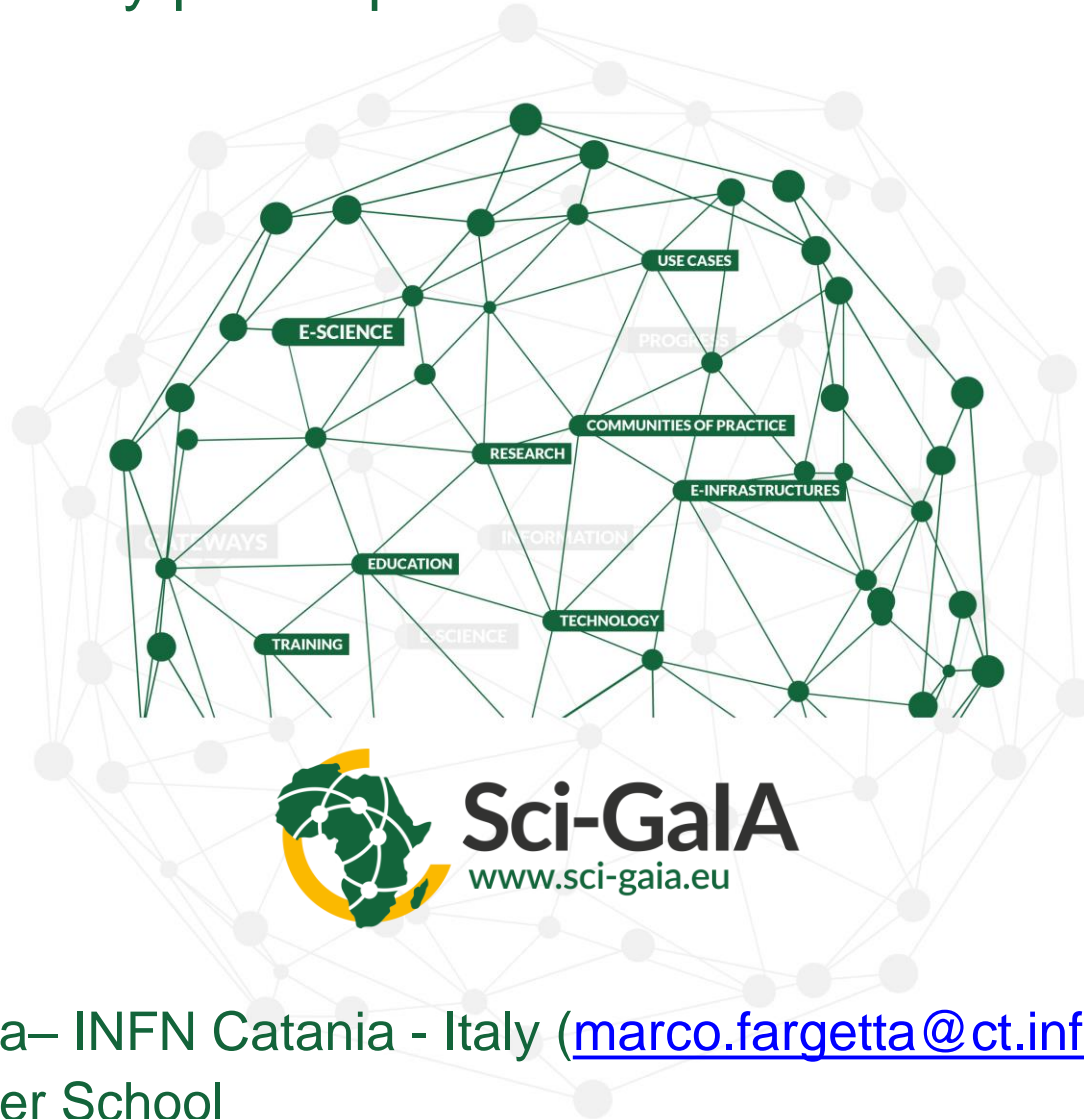


Lesson 5: Liferay portlet preferences



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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement n° 654237



Using a portlet in different portals: preferences

- Portlets can require some configurations on the portal
- Configuration can be at many levels
 - In the code using configuration files
 - On the page
 - On the portal
- Configuration can be performed by different users
 - Developers
 - Deployment managers
 - Portal administrators
 - Users

Configuration in a liferay portlet

- Several mechanisms available for the configuration
 - The portlet specification includes a simple mechanism
 - Liferay provides its own approach
- The mechanism to choose depends on the audience and the scope of the configuration

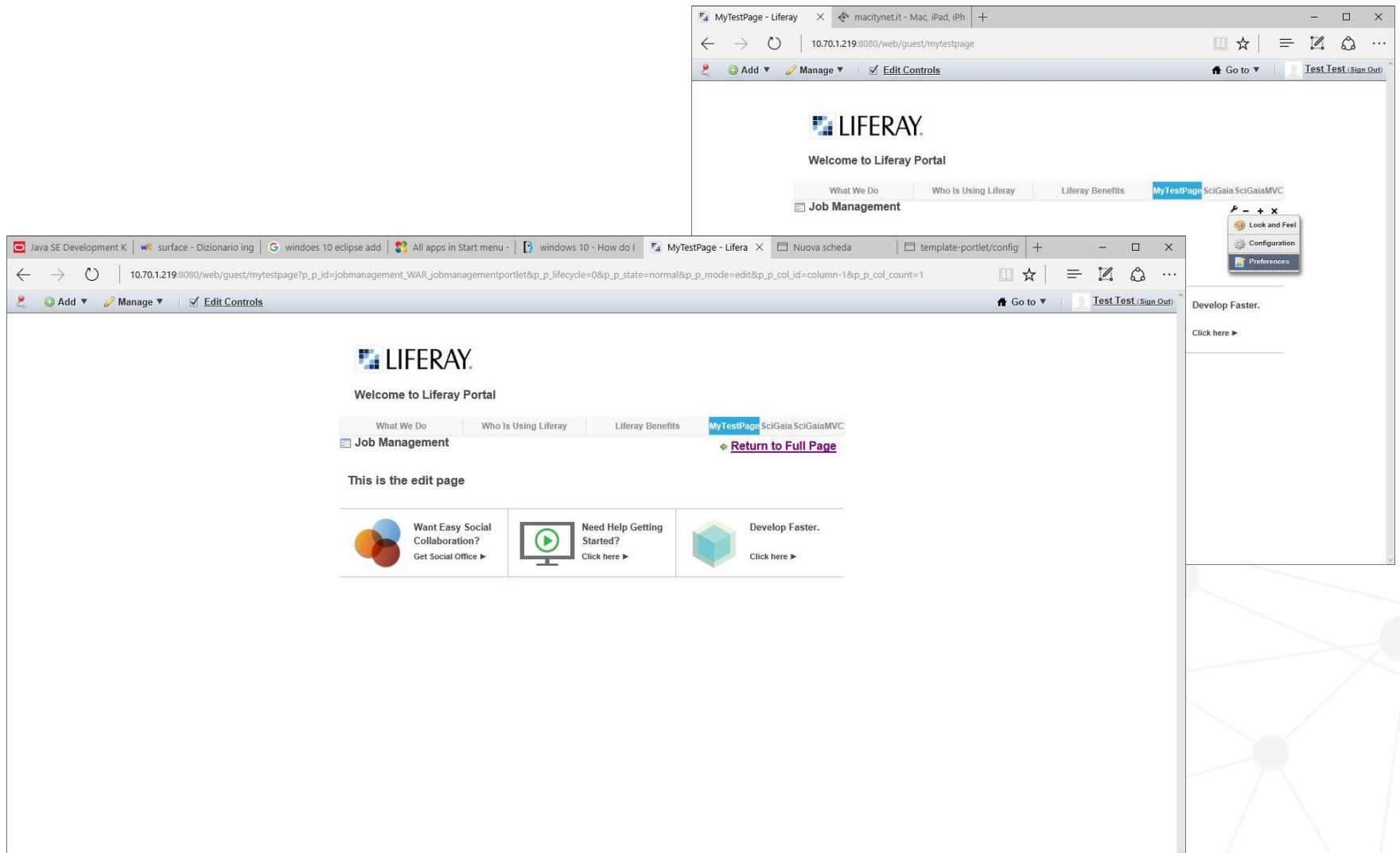
Configuration in the portlet code

- The *portlet.xml* file can contain configuration variables
- These can be edited by the administrator of the application server
 - Access to the file location is requested
 - Liferay should be restarted
- Files can be edited before the deploy
 - The war has to be re-created
- **Not very practical in real case**

Edit mode in portlet configuration

- The specification defines several modes for a portlet
 - **View**
 - Edit
 - Help
 - ...
- Switching among modes can be in the code or performed by the user via the portal
- The edit mode is for the configuration
 - It has a render phase and an action phase
- Using the *GenericPortlet* the action are managed by the same method, the render is different

Enabling the edit mode



Configuration mode in liferay

- Liferay adds an additional configuration layer
 - It is not supported in the standard
- Configuration is managed in a separate class from the portlet
- The portlet can access the configurations in the same way as the edit mode
 - Store the preferences is different
- Used by all liferay bundled portlets

Enabling the Configuration

SciGaiaMVC - Liferay

10.70.1.219:8080/web/guest/scigaiamvc

Add Manage Edit Controls

Go to Test Test (Sign Out)

LIFERAY

Welcome to Liferay Portal

What We Do Who Is Using Liferay Liferay Benefits Ciccio SciGaia SciGaiaMVC

Look and Feel Configuration

Need Help Getting started? Click here ▶

Develop Faster. Click here ▶

Liferay Users - Liferay

10.70.1.219:8080/web/guest/who-is-using-liferay

Web Content Display - Configuration

Setup Supported Clients Permissions Sharing Scope

Archive/Restore Setup

Displaying Content: Who Is Using Liferay

Search

ID ▲	Title	Modified Date	Display Date	Author
LIFERAY-BENEFITS	Liferay Benefits	4/1/16	2/1/10	
WHAT-WE-DO	What We Do	4/1/16	2/1/10	
WHO-IS-USING-LIFERAY	Who Is Using Liferay	4/1/16	2/1/10	

Showing 3 results.

Show Available Locales

Enable Conversion To

DOC ODT PDF RTF SXW TXT

Enable Print

Enable Related Assets

Enable Ratings

Enable Comments

Enable Comment Ratings

Enable View Count Increment

Save

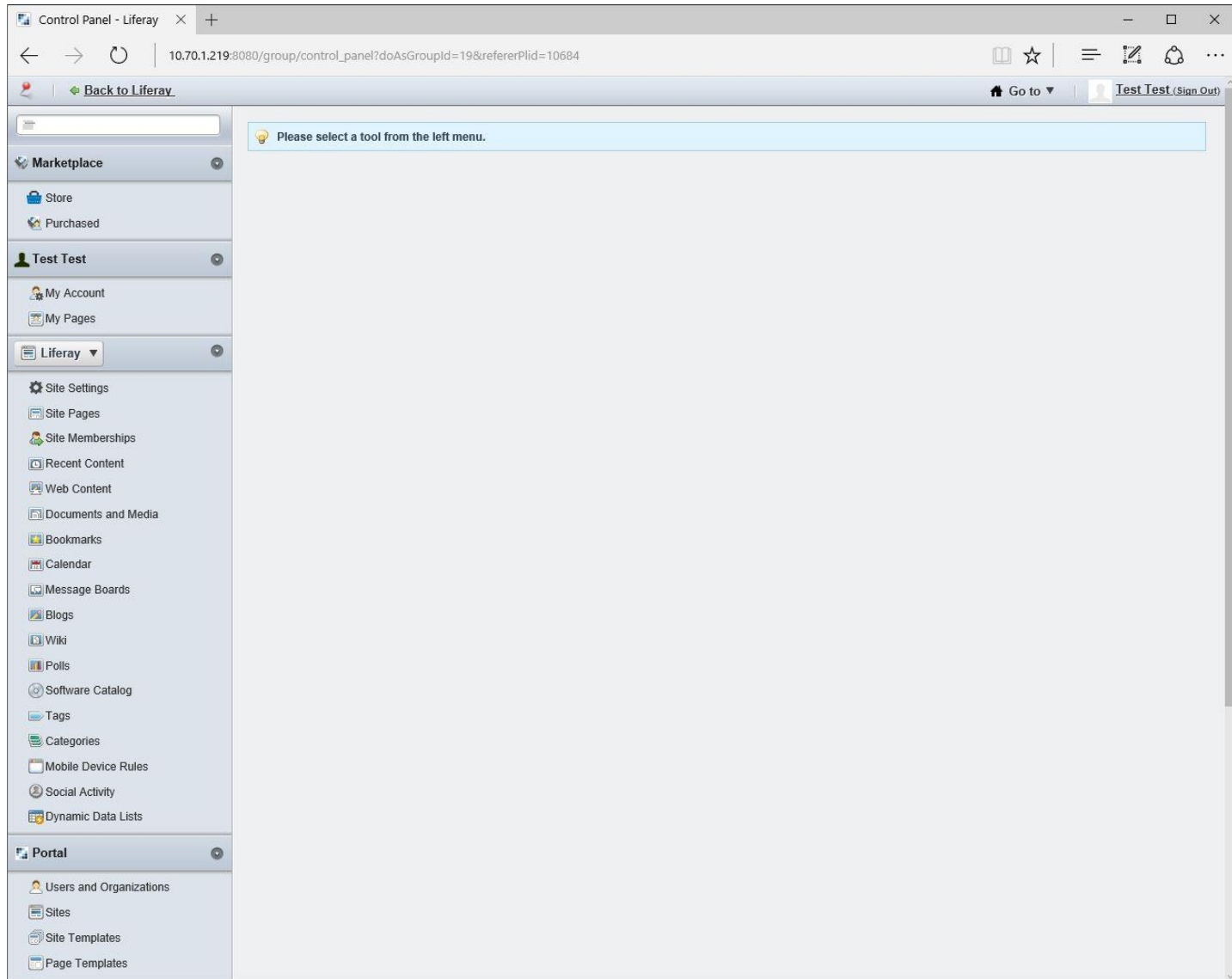
Edit vs Configuration

- Both implement a very similar features
- Edit mode should be preferred for user scoped customisations
- Configuration mode should be preferred for administrator configurations

Global configuration

- Some configurations can be relevant for many portlet
- Configuration is not related with the single instance in a page
- An additional mechanism is to create a control panel portlet
 - It is a normal portlet but in *liferay-portlet.xml* is specified to be included in control panel
- Control panel configuration are **not stored using the preferences** mechanism
 - A strategy to save in the DB has to be applied

Control panel



References

- The official liferay documentation:
<https://www.liferay.com/en/documentation/liferay-portal/6.1/development>



Thank you!

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