InflectraCon Program Sessions 2019

inflectra

May 2019

	Day One		
	Functional Track	**Management/Theory Track**	**Informal**
0830	Breakfast		
0900	Keynote: Company Vision and Roadmap (Adam)		
0945	How we designed Spira to be used	Customer Case Study: Generali	SpiraPlan 6.0: What's New
1030	Coffee Break		
1045	Testing 1: designing and creating test scripts	Program and Portfolio Management	SpiraPlan clinic (1-1 quick help)
1130	Testing 2: advanced test management	ALM 1: The future of ALM - all silos are banned	SpiraPlan clinic (1-1 quick help)
1215	Lunch		
1300	Spira admin 1: introduction to being an admin	Methodologies 1: Agile Best Practices	Rapise hands on
1345	Spira admin 2: advanced tips and tricks	Methodologies 2: Scaling agile	Automation surgery
1430	Coffee Break		
1445	Automation 1: start your automation journey with Rap	ALM 2: Best Practices	Spira roundtable
1530	Automation 2: advanced tips and tricks	Say goodbye to old tools and stay sane	Spira roundtable
1615	Automation 3: the power of RPA using Rapise	Compare & Contrast how industries use Spira	Spira roundtable
1700	Evening Reception		

	Day Two		
	Functional Track	**Management/Theory Track**	**Informal/Partners**
0830	Breakfast		
0900	Guest Keynote		
0945	Spira: BI and custom reporting	Customer Case Study: Impellam	SpiraPlan clinic (1-1 quick help)
1030	Coffee Break		
1045	Developer 1: workflows and code management	The future of Test Automation with AI/ML	Partner event
1130	Developer 2: building a devops toolchain	Risk Management with SpiraPlan	Partner event
1215	Lunch with lightning talks: weirdest use of Inflectra products		
1300	Testing 3: data driven testing	Panel discussion	Rapise hands on
1345	Requirements Management tips and best practice	Methodologies 3: Using Spira for Waterfall Projects	Automation surgery
1430	Coffee Break		
1445	API: what can the Spira API do you for you?	Extending Spira with Add-Ons	Automation surgery
1530	Conference End		

Keynotes

Company Vision and Roadmap (Adam)

Inflectra's vision and goals and our marketing plans and product roadmap for the next year. We will showcase the product roadmap for the core Spira and Rapise platforms, as well as our companion products (RemoteLaunch, TaraVault, KronoDesk).

Functional Track

Learn how to take your use our products to the next level: as an end user, manager, or system administrator. The varied sessions in this track cover different products and modules, with different sessions optimized for different levels of experience.

How we designed Spira to be used

We will walk through the overall workflow for using Spira: creating products and programs, setting up a product with artifacts and customizations. The product configuration will cover the full application lifecycle, including requirements, test cases, tasks, releases, sprints, risks, and incidents.

Testing 1: designing and creating test scripts

Learn the processes of creating test cases, test steps, linked test cases, parameters and simple test sets. This session will share best practice for how to structure and organize your tests, as well as make best use of linked test cases and parameters to promote reusability and componentization.

Testing 2: advanced test management

This session builds on the content of Testing 1 and will provide insights into Spira's more advanced test management techniques. Explore exploratory testing, test sets with different owners for end-to-end testing, and the recommended ways to manage requirements and release test case coverage.

Spira admin 1: introduction to being an admin

Learn the basics of administering Spira, including the fundamentals of administering its main admin sections: system, product, program, and template administration. We will explore how to setup the system, create products and templates, organize products into programs, manage user membership, and how to add custom properties/lists.

Spira admin 2: advanced tips and tricks

Building on 'Spira admin 1' you will learn more advanced administration topic including configuring artifact fields and workflows, modifying email notifications, changing the planning and testing settings, and best practices for security and single-sign-on integration.

Automation 1: start your automation journey with Rapise

We will cover the basics of automating testing of simple web and desktop applications. Using Rapise, you will see how to record, learn and spy applications to create tests. We will show you how to perform playback, enable screenshot capture and integrate with Spira.

Automation 2: advanced tips and tricks

Building on the concepts in "Automation 1", you will learn how to use Rapise to record and playback tests against mobile devices (using Android as an example). Then see how to use data-driven testing with RVL maps, how and when to write custom JavaScript functions, and how to set up and use web profiles to "train" Rapise to test your own applications.

Automation 3: the power of RPA using Rapise

We will explore Robotic Process Automation (RPA) and see how you can use Rapise for common RPA scenarios. We will automate Desktop applications like Microsoft Dynamics AX 2012 and web applications like Microsoft Dynamics 365 CRM and Salesforce.

Management/Theory Track

Get inspiration for using the Inflectra platform as a manager, and gain valuable insights into the latest approaches to leveraging Spira and Rapise in different industries, and for different methodologies.

Customer Case Study: Generali

Andreas from Generali will present on the different ways that Generali has been using SpiraTeam to plan and manage their IT projects. It will include a discussion of the various tools they have integrated with SpiraTeam, the business benefits, and lessons learned.

Program and Portfolio Management

Hear about the new program and portfolio features available in SpiraPlan. We will discuss how you can (and why you would want to) organize products into programs and programs into portfolios. We will cover the new dashboards and visualizations to help you plan and manage the business value being realized across your releases and program milestones. In addition, we will outline the new product program and portfolio custom properties that let you slice your activities in different ways.

ALM 1: The future of ALM - all silos are banned

Let's explore application lifecycle management (ALM), past, present and future. The session will introduce the different disciplines that comprise ALM, including requirements analysis, planning, development, testing, deployment, and maintenance. It will present a high-level deployment architecture for implementing ALM, with recommendation for ways to break down the silos between different organizations and disciplines.

Methodologies 1: Agile Best Practices

Learn best practices for using SpiraTeam or SpiraPlan to manage agile projects. Using Scrum, Kanban, and Extreme Programming as references, we will focus on Spira's Agile planning boards, including the view specifically designed for Scrum and Kanban. It will cover estimation, backlog, release, and sprint planning.

Methodologies 2: Scaling agile

We will build on Methodologies 1 to look at the different ways you can scale your agile projects into programs using SpiraPlan. WE will consider several different approaches including SAFe and the Nexus model of Scrum. We will demonstrate how you can implement these different methods in SpiraPlan.

ALM 2: Best Practices

Building on the fundamentals introduced in ALM 1, we will take a deeper dive into some of the key disciplines not covered in other sessions. It will cover techniques for capturing and codifying ideas and concepts, ways to integrate freeform content into the requirements process, innovative ways to help developers and testers work in harmony together, and how you can harness your support team to turn maintenance from a cost into a feature factory and revenue generator.

Say goodbye to old tools and stay sane

One of the hardest challenges our customers face is helping their users move on from legacy tools and processes such as Excel, Word or stove-piped legacy tools such as Micro Focus ALM, UFT, Bugzilla, etc. We will present a roadmap to helping users adapt to the concepts in the Inflectra toolset (primarily Spira and Rapise) and give you handy tips and quick wins to keep your users happy and engaged.

Compare & Contrast how industries use Spira

We will present three different approaches for using Spira based on experiences of our customers in various industries. Learn about some of the unique features in Spira for life sciences (electronic signatures), finance/insurance, and defense projects (test step traceability).

Day 2

Keynotes

Guest Keynote

Alok will share his real-world experiences deploying SpiraTeam on a large scale in the financial services sector. He will highlight best practices and lessons learned from implementing SpiraTeam at Aegon in the UK and Berkshire Hathaway Specialty Insurance in the US.

Functional Track

Learn how to take your use our products to the next level: as an end user, manager, or system administrator. The varied sessions in this track cover different products and modules, with different sessions optimized for different levels of experience.

Spira: BI and custom reporting

Dive into the features available in Spira for business intelligence and reporting. We will include an overview of running the built-in graphs and reports before diving deeper into the different types of custom reporting and graphing that are available. We will provide examples using Entity SQL and the XSLT based report templates.

Developer 1: workflows and code management

We will share recommendations and best practices for using Spira and TaraVault to manage your source code, with examples using both Git and Subversion. We will discuss the recommended workflow for development tasks, linking tasks to code commits, and using our IDE plugins to improve efficiency.

Developer 2: building a devops toolchain

Explore the basics of creating an end-to-end DevOps toolchain using Spira plus associated tools such as Jenkins, Git, AWS, xUnit, RemoteLaunch, and Rapise. We will discuss techniques for incorporating automated testing, performance and security into the CI process.

Lunch with lightning talks: weirdest use of Inflectra products

All are welcome to join in and share short (5 minutes?) impromptu talks about your weirdest uses of our products (e.g. Remco using it to plan his boat building, etc.). There will be prizes for anyone who speaks.

Testing 3: data driven testing

Building on the content of Testing 1 and 2, we will discuss more advanced techniques available in Spira for test management. We will review the different ways to use test sets, automation hosts, test parameters and test configurations to promote data-driven testing, reliable automation, and devops integration with Jenkins.

Requirements Management tips and best practice

We will outline the best practices for writing project and product requirements in Spira. We will include an overview of the requirements workflow, approvals, signoff, and comment tracking. We will also discuss ideas for using different requirement types such as user stories and use cases, and give recommendations for using packages, epics, and components.

API: what can the Spira API do you for you?

One of the most important aspects of the Spira platform is its interoperability and openness. We will explain the different API options available, and discuss the relative merits of using REST or SOAP. We will outline our API versioning strategy and illustrate (with code examples) how you can accomplish various practical tasks using the API. We recommend you bring your laptop to this session if you want to try out some of the samples in real-time.

Management/Theory Track

Get inspiration for using the Inflectra platform as a manager, and gain valuable insights into the latest approaches to leveraging Spira and Rapise in different industries, and for different methodologies.

Customer Case Study: Impellam

This session will be presented by Scott Pantony, a long-time user from the UK. Scott has deployed and supported SpiraTeam at various UK customers including Impellam, Computacenter, and WorkSmart. Scott will discuss his experiences, provide practical tips for a worry-free deployment, and give his recommendations for a hassle-free implementation of Spira.

The future of Test Automation with AI/ML

This session will outline a research and development project underway at Inflectra to look at how artificial intelligence and machine learning can be used to improve the state of the art for automated testing. Denis and Alexey will discuss the findings from their research and discuss how we intent to use the fruits of this project to improve Rapise and make automated testing faster, easier and more reliable that it is today.

Risk Management with SpiraPlan

We recently added a new risk management module to our Spira platform. We will demonstrate the end-to-end workflow for using these new features. We will cover the risk management lifecycle, from identifying and analyzing risks, to evaluating and treating them with mitigations, and action items (tasks). We will also discuss the methodologies used for ranking risks by probability and impact and how you can customize the exposure metrics used by Spira.

Panel discussion

We will bring a number of our speakers together to discuss your questions around ways to use the Inflectra platform. Our moderator will facilitate a lively discussion around topics suggested by attendees during day one of the conference.

Methodologies 3: Using Spira for Waterfall Projects

We will demonstrate the recommended way to use Spira for waterfall or agile/hybrid projects. We will explain how to use the requirements, test case and task modules to plan a typical waterfall project. We will cover the best way to setup the releases and phases to support waterfall and V-model style projects, how to configure testing for unit, integration, and user acceptance testing.

Extending Spira with Add-Ons

We will explore some of the add-ons available for Spira, including RemoteLaunch, KronoDesk, data-synchronization, and TaraVault. We will outline the benefits of each add-on and illustrate some of the use cases with examples from customer deployments.