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Step 1: Session Details

Step 2: Assign Speakers

Stream: *

Design, Development, Test and Deployment

Track: *

Quality Management

Title: *

Structured Data-Mineable Logging with Rational Functional Tester

(maximum length 150 characters including spaces)

Abstract: *

At LPS, we have developed a customized logging solution for use with our Rational Functional Tester automation suites. After five years of automation and 20 different applications, we have identified 14 common logging patterns so far and developed a framework that allows us to log these messages to a database in a structured manner.

Once our log records are in our database we can mine them in interesting ways.

We can track data associated with script failures to see if multiple scripts happened to be using the same data (and if so then check to make sure the data isn't corrupt).

We can pull up previous occurrences of error messages to see what the circumstances around them were, to see if there's a pattern of problems that manual testers need to investigate.

We can sort our errors by where they are in our code, in order to see if we have especially buggy scripts and/or libraries that need to be rewritten.

(maximum length 1000 characters including spaces)

Presentation outline: *

1. Why did we even look into doing this?

----A) Improved speed in telling automation failures apart from application failures

----B) Improved ability to see if multiple script failures are due to something in common (e.g. data, app area, script code area, etc)

2. For each of the 14 message types we've devised, I will show the following (probably 2-4 slides per message type):

----A) Overview (what is it)

----B) Why we created it (the reasoning / philosophy behind it)

----C) Samples of where it might be and/or was used

3. I will have a live demo of a log viewer with multiple sample logs in it (and I will have information on where attendees can download the code they see).

(Please provide a brief outline of your presentation. Maximum length 1200 characters including spaces)

Does this session have a demo? *

☒ Yes ☐ No ☐ Undetermined

Select the suggested level of audience experience for your proposed presentation: *

☐ All Levels (general knowledge)

☐ Beginner (0 - 6 months product experience)

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- ☒ Intermediate (6 - 24 months product experience)
- ☐ Advanced (2 or more years product experience)

The proposed presentation will require the following time allotment: *

(Please note your first preference. Conference management will confirm, based on availability)

- ☐ 60 minutes
- ☒ 90 minutes

Session type: *

Breakout Session

What industry is this proposal targeting: *

Cross Industry

Which of the IBM or IBM Rational products/services does your proposed presentation address? *

IBM Rational Developer
IBM Rational Developer Extension
IBM Rational Developer for Power
IBM Rational Developer for System z
IBM Rational Developer for i for SOA Constuction
IBM Rational Development Studio for i
IBM Rational EGL Community Edition
IBM Rational Elite Support for Eclipse
IBM Rational Focal Point
IBM Rational Functional Tester

(hold Ctrl key to select multiple values)

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Next Step

Cancel