

Scriptless Testing with UFT and BPT

Questions and Answers

July 13, 2016

Q: Can we automate SoapUi requests?

A: SoapUI is just another product for Service Testing. Which kind of requests? REST\SOAP\JSON? The answer is yes to all mentioned with the inherent API Testing of UFT.

Q: Can this be integrated with tools like Jenkins so when a build is done it can automatically run a set of test scripts?

A: Yes. Tests which reside in ALM as well as ones that are stored in File System could be invoked using the Jenkins plugin for UFT

Q: BPT and sprinter, is there any interaction?

A: Yes, you can actually create BPT components directly from Sprinter. You can also run manual steps of a Business Component in the Sprinter manual runner.

Q: How do you use shared object repository concept for the business components?

A: It's used as external resources to be dictated inside an Application Area, which all BPT tests' components inherit from.

Q: How will BPT fit with ALM Octane?

A: It is not supported today in ALM Octane, just ALM.Net. We are evaluating the user scenario and how it would make sense to architect a component testing framework in the ALM Octane model as a backlog item for future roadmap.

Q: Is this webinar aimed at people who do not use BPT and perhaps have never used UFT? e.g. using record and playback??

A: Actually we have a mixed audience in terms of usage. However, stay tuned. He's going to get into scriptless testing and the new features in BPT such a synthetic test data generation and others.

Q: Have you fixed the issue of deleting components from a BPT where test config doesn't update & delete the parameters from the test config tab?? Have you fixed the issue if you move the components around in the BPT & the test config doesn't update with the same order?

A: Let's refer to concrete ER tickets. There were some fixes made with updating of ALM residing elements of BPT.

Q: What we are seeing now, the test config, this is excel he is showing?

A: He was using excel for articulating the data to be considered a basis for the creation of test configurations.

Q: If you execute that test now, will it run all 4 test iterations first or will it run 1 iteration then iterate Login 3 times? each time?

A: You can control the login component iteration specifically. In addition, you can control the entire test iteration. In my specific example it would actually do a nested loop (component+test iterations)

Q: Using this method test config exports as excel but when exported direct from ALM it is csv? Can he run it? Can you run the test? Can we see this executing?

A: Yes, the test can run on the output of the created xls\xlsx format. In ALM it indeed creates only the component iterations in a csv format. We've made it unified to the same new format now (xlsx)

Q: What is the benefit to use this when UFT supports the use of function libs?

A: Function Libraries are not exposed to a person who wishes to perform structured articulation of a business process, FLs manifest utility scripted assets while Business Components manifest the entire wrapping of both scripted as well as resource elements, FLs would manifest VBScript and are obfuscating the actual business logic if not documented and exposed properly to SMEs\Bas – Business Components are the exact opposite.

Q: Regarding Scriptless Testing, will we not require VB scripting?

What about scenarios requiring for loop, while loop and If conditions?

What about database integration?

A: As answered in the session itself – you can incorporate conditional statements as well as flow control (Do loops\while\for) in the keyword view. One can always add more VBScript through Function Libraries or even by transforming the keyword component into a scripted component in just a few click from UFT if he wishes.

Q: Is it possible to integrate API? Request and response validation? In our tests we send the request to an URL and get the response and fetch few tag values from response and enter the same into UI. Is it possible?

A: Yes, it is possible.

Q: For application having dynamic object will there be recording help? Extensibility accelerator in UFT 12?

A: Dynamic object identification could be achieved by the mechanisms UFT offers by default (such as the Smart Identification mechanism). For more advanced scenarios, it should be handled through the Object repository's properties RegExp and/or parameterization faceting. Extensibility Accelerator is available in version 12+ but for Web UIs as it always has been.

Q: What version of UFT and ALM are required to do what we have seen today?

A: For using the data handling (static\dynamic) and keyword handling you might need only UFT 12.50 and ALM 12.01\12.21. For the extra items in my demo such as Test Configuration Generator and improved keyword view enhancements you'd need UFT 12.52 and ALM could even be 12.50 and on. In order to get the entire thing (Data Generation included + performance fixes) you'd need to have the UFT 12.53 version + ALM 12.50 and on. In my demo those both were version 12.53.

Q: Is this solution able to learn only the path that is recorded or is it possible to perform multiple paths through a given screen?

A: Multiple business processes could be articulated through recording or reusing the very same building blocks I've demonstrated. A business process is referred to as a match of 1:1 BPT Test. Articulating different flows as alternatives is something we're currently working on with respects to conditional statements which affect the flow on the level of the BPT test, rather than the Business Component itself.

Q: For example, in SAP in Sales Order Create (VA01) - you can create multiple Order Types that may have slightly different screens - do we have to create a separate script for each Order Type or can a single BPT component handle multiple Order Types?

A: As replied in the session – yes- you can articulate Create Sales Order or Rush Order. Both utilize VA01. Both would be consuming a subset of relevant screens mutually. Those could be captured as different components to be reused instead of being created from scratch.

Q: Is the TCG able to connect to back end databases to retrieve test data?

A: Not at this moment. But if the user can output the Database to any given Excel sheet than it could definitely be achieved.

Q: The MyFlight Demo is windows based app correct? Does this BPT functionality work for legacy mainframe applications using terminal emulator?

A: Yes & Yes.

Q: Is this only available for ALM?

A: BPT is available for ALM and QC. As you'll see in the demo, it has a deeper integration with UFT as well.

Q: I was wondering if it worked with Microsoft TFS or MTM as well?

A: Currently we don't have a certified TFS integration. It's on our roadmap to address it.

Q: How does recording support dynamic screens? Do we have to record new components for each scenario where objects on the screen changes? Will he run this example?

A: If the objects on the screen change it actually might trigger a failure of the test (rightfully). The user will have to apply relevant refinements to the script or object identification to make the test a bit more robust in case of anticipated (false positive) changes on the UI. In addition, those changes would manifest a change applied to every consuming test (potentially hundreds) by just addressing a single affected “building block” (a Business Component)

Q: Does Lean FT (not UFT) work with ALM 12.21 patch 02 version?

A: You'll have to address this to the LeanFT Function Architect. As far as I know – yes.

Q: Do you know if ALM 12.53 works with SAP?

A: In the scope of this session no- UFT will be the one to actually automate an SAP UI. But you'll have to be specific- which SAP interface exactly and which technology? Dynpro (SAPGUI), WebDynpro ABAP\Java, Portal, ITS, SAPUI5\Fiori, NWBC Web\Desktop client. ALM specifically does have an integration with SAP's SolMan, which is called Enterprise Integration, but I'm not sure that was the meaning of your question in the scope of my demo.

Q: Does QC or ALM support the same data configuration tools like AutoMap, Cartesian build and row selection for execution?

A: Yes, you have the very same TCG dialog in ALM as well to handle BPT Tests.

Q: How do you make the components reusable?

A: You just create them and drag and drop any relevant ones to different tests you create out of the Component subsection in UFT's Toolbox panel

Q: If you have 20 scripts, how do I reuse the components?

A: If you have scripts, you already have components that host them. A BPT test won't be considered a scripted asset but rather a bundle of those scripted\keyword components.

Are all these options available in UFT 12.52 version? Like data import and export?

A: Yes, except for the Data Generation which is available as from version 12.53 of UFT

Q: How do you reuse all of the already developed scripts?

A: You just create them and drag and drop any relevant ones to different tests you create out of the Component subsection in UFT's Toolbox panel

Q: Editing Keyword code or we need to convert to Scripted component?

A: Nope

Q: What about Database connection and database data validation using keyword component? Do we need to use Scripted component?

A: No, you can have checkpoints in the very same way even if you're using a keyword component.

Q: If I want to add a new operation which is not listed in the dropdown, do I need to contact HPE or do I have any option to add it myself?

A: You can implement and extensibility to existing test objects yourself.

Q: How about Excel limitations like cell length and number of columns in Excel, what will be the other options for providing data to BPT?

A: Currently, we're supporting just the Excel format.

Q: Can I maintain single Excel for passing data to all my test set?

A: Yes

Q: Does this functionality work with SAP? We are presently a SAP TAO customer and are wondering if this might be a suitable replacement for TAO?

A: YES. BPT definitely supports SAP quite extensively. TAO is also using BPT\ALM but in a different way. I'd consider BPT as a worthy options which is simpler than TAO rather than think of it as a rival\replacement etc.

Q: Does UFT 12.53 support Oracle Fusion Applications?

A:Not at this moment.

Q: Is BPT license sold separately from UFT or is it included?

A: No, you'll have the UFT part included as part of the Unified Functional Testing license (which would grant you availability for GUI and API testing as well). If you have UFT's FT license than you might be exposed only to a subset of the capabilities we showed in UFT in my demo. In ALM, however, you'd need a Business Components license activation which is granted to you by default if you're using ALM or QA Enterprise edition (QC Essentials\Community\Express wouldn't)