

70-497: Software Testing with Visual Studio

The following tables show where changes to exam 70-497 have been made to include updates that relate to Visual Studio 2013. These changes are effective as of June 8, 2014.

1. Create and configure test plans

Tasks currently measured	Tasks Added/Changed post <i>June 2014</i>
Create test plan properties Selecting test settings; selecting configurations; defining name, description, area, path, and iteration; selecting test environments; assigning build to test plan (when to assign a build to a plan; compare assigned build to another build)	Added sub-task: <ul style="list-style-type: none"> - Cloning Test Plans and Test Suites
Configure test settings Creating multiple test settings; selecting data and diagnostics; setting up roles	No Change
Define configurations Managing configuration variables; setting default configurations; adding new configurations; setting configuration state; deleting configurations	No Change
Create test suites Creating query-based test suites; creating requirement-based test suites; creating static test suites; copying test suites; creating a test suite hierarchy; assigning test suite states	Modified sub-task: <ul style="list-style-type: none"> - Creating query-based Test Suites using hierarchical queries Added sub-task: <ul style="list-style-type: none"> - Cloning Test Suites from the command line - Managing Test Suites by using a web browser
Configure test suites Assigning testers; selecting configurations; ordering test cases within a test suite; setting defaults	No Change

2. Manage test cases

Tasks currently measured	Tasks Added/Changed post <i>June 2014</i>
Create test cases Designing test cases that have clear and measurable steps; assigning test case properties (title, areas and iterations, state, priority, assign to, and automation status); adding attachments and links; adding the test case description and history; adding tested requirements; managing test case workflow (state)	Added sub-task: <ul style="list-style-type: none">- Bulk authoring of Test Cases by using a grid view
Create test steps Adding and removing parameters to and from actions or expected results; adding and removing data; creating repeatable test actions for using fast forward for manual testing; creating expected results; adding test step attachments	No Change
Define parameters Managing test case iterations; creating a parameter variable; renaming parameters; deleting parameters	No Change
Manage shared steps Creating shared steps; designing shared steps that can be reused effectively across different test cases; moving shared steps; creating action recording for shared steps	No Change
Manage requirements Reviewing requirements; verifying requirements; verifying all requirements are accounted for; validating test coverage	No Change

3. Manage test execution

Tasks currently measured	Tasks Added/Changed post <i>June 2014</i>
<p>Run tests Running tests with options; creating fast forward for manual testing recordings; selecting fast forward playback options (all steps, multiple steps); setting test run states; validating expected results (add comments, snapshots)</p>	<p>Added sub-tasks:</p> <ul style="list-style-type: none"> - Running tests from a browser - Updating the status of multiple test cases without opening them in the test runner - Customizing test result fields in Microsoft Test Manager (MTM)/web browser - Pausing and resuming tests in MTM/web browser - Inline editing of tests during test execution - Manually testing Windows Store Apps and reviewing action logs
<p>Perform exploratory testing Perform ad hoc exploratory testing; exploring by work item; generating test case from test; generating bugs from exploratory testing; adding screenshots, video, or audio recording</p>	<p>No Change</p>
<p>Manage bugs Tracking bug metrics (bug trends, status); verifying bugs (create test from bugs); analyzing bug reports; managing bug workflow</p>	<p>No Change</p>
<p>Use lab center Creating new environments; creating copies of environments; running tests on remote environments; executing test case in a lab center environment</p>	<p>No Change</p>
<p>Analyze recommended tests Selecting the build in use; comparing the current build to a previous build; viewing recommended tests; analyzing related work items</p>	<p>No Change</p>
<p>Perform analysis Analyzing reports (requirements-user stories); analyzing by test suite; analyzing by configuration; identifying areas where quality is low; identifying test plan status</p>	<p>Added sub-tasks:</p> <ul style="list-style-type: none"> - Viewing test plan results in MTM - Working with out-of-the-box reports - Customizing out-of-the-box reports
<p>Manage work items Validating requirements; work item relationships (e.g., what it means when a test case is associated with a requirement); creating work item queries; performing bulk updates in Microsoft Excel</p>	<p>No Change</p>