***Exam 70-496: Administering Visual Studio TFS 2012***

Covered

Needs covering

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| **Skills Being Measured** |

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| **Install and Configure Team Foundation Server (25%)**   * Install Team Foundation Server.   + This objective may include but is not limited to:     - SQL Server version support;     - installing Team Foundation Server in a multi-tier or multi-machine environment;     - installing Team Foundation Server in a load-balanced environment;     - setting up a version control proxy server * Configure the application tier.   + This objective may include but is not limited to:     - validating an installation;     - configuring SMTP for Team Foundation Server;     - changing the URL (friendly name);     - changing the default SharePoint web application;     - setting up reporting (SQL Server Analysis Services) * Migrate and upgrade Team Foundation Server.   + This objective may include but is not limited to:     - upgrading to Team Foundation Server 2012 in-place or moving to new hardware;     - importing a source base from a non–Team Foundation Server system;     - upgrading a Team Project * Install and configure Lab Management.   + This objective may include but is not limited to:     - setting up environment templates;     - installing and configuring test agents;     - installing and configuring System Center Virtual Machine Manager (basic Virtual Machine Manager installation);     - creating library shares or resource pools * Install and configure multiple build agents and controllers.   + This objective may include but is not limited to:     - tagging and binding a controller to a project collection;     - adding a build agent   **Manage Team Foundation Server (26%)**   * Manage Team Project Collections.   + This objective may include but is not limited to:     - moving project collections;     - managing team collections and projects;     - creating and configuring Team Project Collections;     - creating a team project using SharePoint and SQL Server Reporting Services (SSRS);     - splitting and partitioning team project collections * Configure for backup and recovery.   + This objective may include but is not limited to:     - backup and recovery of Team Foundation Server and related components;     - recovering a failed application tier;     - recovering a failed database tier;     - implementing a disaster recovery plan * Monitor server health and performance.   + This objective may include but is not limited to:     - monitoring the server for performance issues (monitoring activity logging database and Team Foundation Server server manager);     - monitoring the job infrastructure for failed jobs (monitoring warehouse adapters and warehouse jobs);     - cleanup of stale workspaces and shelvesets;     - setting up Team Foundation Build to use a version control proxy server * Operate Lab Management.   + This objective may include but is not limited to:     - operating and modifying lab environments;     - repairing lab environments; using snapshots;     - storing System Center Virtual Machine Manager environments * Manage security.   + This objective may include but is not limited to:     - configuring limited users;     - managing roles in Team Foundation Server using Active Directory groups;     - managing permissions in Team Foundation Server in SharePoint, SSRS, builds, source control, and Work Item Management;     - creating and managing teams;     - configuring security for users who do not have a Client Access License (CAL) * Manage reporting for Team Foundation Server.   + This objective may include but is not limited to:     - managing basic reporting using Microsoft Office Excel Services;     - customizing the SharePoint team project portal;     - uploading a new SSRS Team Foundation Server report;     - configuring Team Foundation Server to enable a report to appear in a SharePoint project portal;     - rebuilding the Team Foundation Server data warehouse   **Customize Team Foundation Server for Team Use (24%)**   * Configure a team build definition.   + This objective may include but is not limited to:     - setting up for a symbol server and source server;     - <http://www.edsquared.com/2011/02/12/Source+Server+And+Symbol+Server+Support+In+TFS+2010.aspx>     - setting up for custom build numbers;       * [*http://msdn.microsoft.com/en-us/library/hh190719.aspx*](http://msdn.microsoft.com/en-us/library/hh190719.aspx)       * *Custom Activities*         + <http://msdn.microsoft.com/en-us/library/gg265783.aspx>     - configuring build log verbosity;       * *http://msdn.microsoft.com/en-us/library/hh190720.aspx*     - setting up definition properties including test impact analysis, code analysis, automated unit testing, and architecture validation;     - setting up build triggers (gated check-in, continuous integration, scheduled build);     - configuring the build drop location to be in source code control or a fileshare * Manage build execution.   + This objective may include but is not limited to:     - queuing a build with parameters;     - reconciling workspaces as part of a gated check-in workflow;     - customizing build qualities;     - cleanup of builds (applying retention policies) * Modify a process template.   + This objective may include but is not limited to:     - uploading and downloading process templates;     - troubleshooting template errors;     - customizing functional areas within process templates, including SSRS, SharePoint, build definitions, Work Items, and queries * Configure a team project.   + This objective may include but is not limited to:     - defining areas and iterations;     - managing users through the default security groups;     - managing portal settings (team project portal site URL, process guidance URL);     - defining project-level alerts * Apply Work Item customizations.   + This objective may include but is not limited to:     - adding a new Work Item type as a child of an existing Work Item;     - customizing field definitions for a Work Item;     - customizing form layout and workflows;     - customizing global lists, link types, and categories * Create Work Item queries.   + This objective may include but is not limited to:     - defining query folders and permissions;     - applying query types (tree, flat, directed);     - adding fields to a query;     - creating a query by using Team Explorer * Configure client connectivity to Team Foundation Server.   + This objective may include but is not limited to:     - configuring Visual Studio, Team Explorer, Team Explorer Everywhere, Excel, Project, and other tools to connect to Team Foundation Server;     - configuring clients for a proxy server   **Administer Version Control (25%)**   * Create and manage workspaces.   + This objective may include but is not limited to:     - cloaking, undoing delete, and modifying a workspace;     - deleting a workspace;     - specifying workspace visibility;     - unlocking other users’ checkouts, pending changes, and code;     - choosing a default workspace type for a collection;     - deleting a shelveset * Configure version control proxy.   + This objective may include but is not limited to:     - setting up the cache hit ratio;     - setting up the cache size;     - setting up for multiple Team Foundation Server servers * Configure team project version control settings.   + This objective may include but is not limited to:     - enabling multiple checkout;     - enabling get latest on checkout;     - configuring check-in policies for a team project (Work Items, builds, code analysis, testing policies) |
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