Build And Release Management Using Tfs 2015

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Start using Build and Release - TFS | Microsoft Docs
5 Steps to a Successful Release Management Process 1. Plan release. The planning stage may be the most time intensive as this is where your entire release is structured... 2. Build release. With the release plan finalized, you can start designing and building the product for release. This is... 3. ...

5 Steps to a Successful Release Management Process ...
Build and Release Management Using TFS 2017. Course ID: QL-ALMBR17. Duration: 2 Days . Contact Intertech To Schedule . Description. This 2-day course focuses on building and releasing .NET applications using the capabilities of Team Foundation Server 2017. It focuses on the new scriptable, cross-platform build system introduced in TFS 2015 and ...

Build and Release Management Using TFS 2017 - Intertech
This 2-day course focuses on building and releasing.NET applications using the capabilities of Team Foundation Server 2018. This course has been designed for organizations who build and release applications within their organization rather than in the cloud. That said, a large part of the course is equally useful for cloud scenarios.

Build and Release Management Using TFS 2018 Training ...
This tells MSBuild to publish the site using the profile called Release (or whatever name you used for the publish profile you created) and place the package in the build artifact staging directory Now you should put in all your code analysis and test tasks – I'm omitting them for brevity

End to End Walkthrough: Deploying Web Applications Using ...
Release Management (RM) is awesome – mostly because it works off the amazing cross platform build engine. Also, now that pricing is announced, we know that it won't cost an arm and a leg!. When I work with customers to adopt RM, I see two kinds of deployments: repeatable and ad-hoc.RM does a great job at repeatable automation – that is, it is great at doing the same thing over and over.

Using Release Management to Manage Ad-Hoc Deployments
Release Management vNext is currently in preview in Visual Studio Team Services and in TFS 2015 Update 2. If you are eager to learn how to implement DevOps practices designed to streamline your build and release processes using TFS or VSTS, this is the course for you. The content in this course is a subset of our 3-day "DevOps using Visual ...

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If you do not have a solution to build, just select the Empty definition. Now you need to add a build step. Select the Add build step... option. The task is under the Deploy section. Select the Start Agent-Based Release. Click Add and then close the dialog window. image. Set up the build by selecting a solution to build and Save the build.

Release Management 2015 and TFS Build 2015 Setup ...
The Release Management application encompasses the planning, design, build, configuration, and testing of hardware and software releases to create a defined set of release components. Activate Release Management. Activate the Release Management plugin (com.snc.release_management_v2) with the admin role. Release Management v2 application

Release Management - ServiceNow
How do I use a release pipeline? You start using Azure Pipelines releases by authoring a release pipeline for your application. To author a release pipeline, you must specify the artifacts that make up the application and the release pipeline. An artifact is a deployable component of your application. It is typically produced through a Continuous Integration or a build pipeline.

Release pipelines - Azure Pipelines | Microsoft Docs
Intertech has been teaching and educating students and companies for years in software development and Build and Release Management Using TFS 2018 651.288.7000 info@intertech.com Software Consulting Services

Build and Release Management Using TFS 2018 - Live ...
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There are several formal ITIL Processes that are related to release management, primarily the Release and Deployment Management process, which "aims to plan, schedule and control the movement of releases to test and live environments.", and the Change Management process In ITIL organizations, releases tend to be less frequent than in an agile development environment. Release processes are managed by IT operations teams using IT Service Management ticketing systems, with less focus on ...

Release management - Wikipedia
Learn Build and Release Management using TFS 2017 in a live online instructor-led ONLC training course at our nearby location or from your home or office. Enroll today. 800-288-8221 Contact Us

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Build And Release Management Using Tfs 2015
Step 2: Create a Release definition . After the Build is successfully created, you will need to create a Release for it. When the Build is created you will be automatically redirected to the Build summary page, where you can see Build successful indication on top of the page. From the Build, summary page click on Create release. Click Yes.

Master build and release management with Team Foundation Service and Visual Studio Team Services to facilitate the continuous delivery of software updates to your development team. You'll receive detailed, practical guidance on automating website deployments in Azure App Service, database deployments to Azure platform, Micro Services deployments in Azure Service Fabric, and more. Each deployment is structured with the aid of hands-on lessons in a given target environment designed to empower your teams to achieve successful DevOps. This book provides lessons on how to optimize build release management definitions using capabilities, such as task groups. With the help of practical scenarios, you'll also learn how to diagnose and fix issues in automated builds and deployments. You'll see how to enhance the capability of build and release management, using team services/TFS Marketplace extensions and writing your own extensions for any missing functionality via hands-on lessons. What You Will Learn Automate deployment to Azure platform, including Web App Service, Azure SQL and Azure Service Fabric Test automation integration with builds and deployments Perform Dynamic CRM deployment handling and package management with TFS/VSTS Examine requirement to production delivery traceability in practical terms Review cross platform build/deployment capabilities of TFS/VSTS. Who This Book Is For Build/Release Engineers, Configuration Managers, Software Developers, Test Automation Engineers, System Engineers, Software Architects and System/Production Support Engineers or anyone who handles and involves in the software delivery process.

When implemented correctly, release management can help ensure that quality is integrated throughout the development, implementation, and delivery of services, applications, and infrastructure. This holistic, total cost of ownership approach allows for higher levels of system availability, is more cost effective to maintain, and increases overall s

Set up Release Management with this Handbook and achieve: - Automated software releases. Audited traceable, role-based security - Release Management - plan, deploy and manage releases to system users - Version Control, Track all changes and comply. Use your current versioning tool - ITIL Release Management - Streamline software/hardware deployment - Integrate Release Management Tools. Reduce risk, drive efficiency with release management - Automate Software Releases and Boost Build-Test-Deploy Processes - Orchestrated Software Development and Deployment - Release Management Industry standards and best practice - Agile Release Management - Automate and Audit software releases, Harmonize agility and control To come to fruition, software projects take investment, support, nurturing and a lot of hard work and dedication. Good release management practices ensure that when your software is built, it will be successfully deployed to the people who want to use it. You have the opportunity to satisfy existing customers and hopefully to win new ones. Release management is a really important part of any software project and is not often given the attention it deserves. Good release management takes hard work, resolve and great communication; however, the greatest skill is the ability to review, learn and adapt improvements. Often forgotten or ignored in many IT Service Management implementations or initiatives, Release and Deployment can be mistakenly seen as the poor cousin of Change Management, of less importance and priority to both the business and IT organizations. Much of the confusion and misunderstanding is perpetuated by the idea that Release and Deployment only focuses on the actual distribution of changes to the live environment. While timely and accurate distribution is indeed a goal of the process, the actual scope includes all of the activities, systems and functions required to build, test and deploy a release into product and enable effective handover to service operations. In conjunction with the use of Change Management, Release and Deployment will enhance an organization's capabilities to develop, compile, reuse, distribute and rollback releases in accordance with defined policies that improve efficiency and reduce business disruption. Typical benefits seen as a result of improved Release and Deployment are: - Delivering change, faster, at optimum cost and minimized risk - Assuring customers and users can use the new or changed service in a way that supports the business goals - Improving consistency in implementation approach across the business change, service teams, suppliers and customers - Contributing to meeting auditable requirements for traceability through Service Transition. Well planned and implemented release and deployment will make a significant difference to an organization's service costs.

The New York Times bestselling author of Better and Complications reveals the surprising power of the ordinary checklist We live in a world of great and increasing complexity, where even the most expert professionals struggle to master the tasks they face. Longer training, ever more advanced technologies—neither seems to prevent grievous errors. But in a hopeful turn, acclaimed surgeon and writer Atul Gawande finds a remedy in the humblest and simplest of techniques: the checklist. First introduced decades ago by the U.S. Air Force, checklists have enabled pilots to fly aircraft of mind-boggling sophistication. Now innovative checklists are being adopted in hospitals around the world, helping doctors and nurses respond to everything from flu epidemics to avalanches. Even in the immensely complex world of surgery, a simple ninety-second variant has cut the rate of fatalities by more than a third. In riveting stories, Gawande takes us from Austria, where an emergency checklist saved a drowning victim who had spent half an hour underwater, to Michigan, where a cleanliness checklist in intensive care units virtually eliminated a type of deadly hospital infection. He explains how checklists actually work to prompt striking and immediate improvements. And he follows the checklist revolution into fields well beyond medicine, from disaster response to investment banking, skyscraper construction, and businesses of all kinds. An intellectual adventure in which lives are lost and saved and one simple idea makes a tremendous difference, The Checklist Manifesto is essential reading for anyone working to get things right.

Help your organization join the DevOps revolution About This Book Helps you skill up your DevOps knowledge without a strong set of prerequisites Deliver continuously improved software by showcasing the most advanced tools and techniques Acquire a deeper insight into implementing DevOps in your organization and deliver results from day 1 Who This Book Is For This book is written for engineers and companies that want to learn the minimum set of required technologies and processes to be successful in the DevOps world. This book also targets system administrators, developers, and IT professionals who would like to employ DevOps techniques and best practices to manage IT infrastructures or would like to acquire the necessary skills needed to work in DevOps teams. What You Will Learn Master development best practices. Understand how the Agile Delivery Methodology helps you ensure accuracy and quality. Analyze branching strategies such as branch creation, merging, and synchronization. Learn to automate builds to deploy and deliver code faster and more often Explore testing frameworks and how to automate testing Learn to put specific metrics in place to measure ROI of DevOps and monitor logs and events in a system In Detail This book follows a unique approach to modern DevOps using cutting-edge tools and technologies such as Ansible, Kubernetes, and Google Cloud Platform. This book starts by explaining the organizational alignment that has to happen in every company that wants to implement DevOps in order to be effective, and the use of cloud datacenters in combination with the most advanced DevOps tools to get the best out of a small team of skilled engineers. It also delves into how to use Kubernetes to run your applications in Google Cloud Platform, minimizing the friction and hassle of maintaining a cluster but ensuring its high availability. By the end of this book, you will be able to realign teams in your company and create a Continuous Delivery pipeline with Kubernetes and Docker. With strong monitoring in place, you will also be able to react to adverse events in your system, minimizing downtime and improving the overall up-time and stability of your system. Style and approach This book takes a step-by-step practical approach to the implementation of DevOps. This book will teach you how to enable IT organizations to deliver faster and smarter through a unique approach using Code-Build-Test-Release-Configure-Monitor (CBTRCM).

An indispensable resource for business leaders, IT professionals and project managers working to effect positive change in their organizations, this innovative book presents a new paradigm for the management of evolving business and IT architectures. Enterprise release management takes a holistic view of change that offers a synthesis of traditional management approaches, including project and change management, enterprise architecture, and development practices like configuration and release management. Unlike many books that simply focus on portfolio planning, this practical reference establishes an end to end release framework which ensures initiatives are planned and prioritized to streamline portfolio execution and delivery. Benefits of the release-centric approach advocated include reduced execution and operational risk, improved demand management and optimized release throughput. This unique book offers a fresh enterprise perspective that addresses strategic change and the release life cycle, providing executives and managers with the tools they need to chart and track the course of their business.

The overwhelming majority of a software system's lifespan is spent in use, not in design or implementation. So, why does conventional wisdom insist that software engineers focus primarily on the design and development of large-scale computing systems? In this collection of essays and articles, key members of Google's Site Reliability Team explain how and why their commitment to the entire lifecycle has enabled the company to successfully build, deploy, monitor, and maintain some of the largest software systems in the world. You'll learn the principles and practices that enable Google engineers to make systems more scalable, reliable, and efficient—lessons directly applicable to your organization. This book is divided into four sections: Introduction—Learn what site reliability engineering is and why it differs from conventional IT industry practices Principles—Examine the patterns, behaviors, and areas of concern that influence the work of a site reliability engineer (SRE) Practices—Understand the theory and practice of an SRE's day-to-day work: building and operating large distributed computing systems Management—Explore Google's best practices for training, communication, and meetings that your organization can use

Over 80 hands-on DevOps and ALM-focused recipes for Scrum Teams to enable the Continuous Delivery of high-quality Software... Faster! About This Book Release high quality, reliable software quickly through building, testing, and deployment automation Improve the predictability, reliability, and availability of TFS in your organization by scheduling administration and maintenance activities Extend, customize, and integrate tools with TFS, enabling your teams to manage their application lifecycles effectively Who This Book Is For This book is aimed at software professionals including Developers, Testers, Architects, Configuration Analysts, and Release Managers who want to understand the capabilities of TFS to deliver better quality software faster. A working setup of TFS 2015 and some familiarity with the concepts of software life cycle management is assumed. What You Will Learn Creating a Team Project with Dashboards, Assigning License, Adding users, and Auditing Access Setting up a Git repository in an existing TFVC-based Team Project Setting up branch policies and conducting Pull requests with code reviews Mapping, assigning and tracking work items shared by multiple teams Setting up and customizing Backlogs, Kanban board, Sprint Taskboard, and dashboards Creating a Continuous Integration, Continuous Build, and Release Pipeline Integrating SonarQube with TFBuild to manage Technical Debt Triggering Selenium Web Tests on a Selenium Test Grid using TFBuild Using Visual Studio Team Services Cloud load testing capability with new Build framework Extending and customizing the capabilities of Team Foundation Server using API and Process Editor In Detail Team Foundation Server (TFS) allows you to manage code repositories, build processes, test infrastructure, and deploy labs. TFS supports your team, enabling you to connect, collaborate, and deliver on time. Microsoft's approach to Application Lifecycle Management (ALM) provides a flexible and agile environment that adapts to the needs of your team, removes barriers between roles, and streamlines processes. The book introduces you to creating and setting up team projects for scrum teams. You'll explore various source control repositories, branching, and merging activities, along with a demonstration of how to embed quality into every code check-in. Then, you'll discover agile project planning and management tools. Later, emphasis is given to the testing and release management features of TFS which facilitate the automation of the release pipeline in order to create potentially shippable increments. By the end of the book, you'll have learned to extend and customize TFS plugins to incorporate them into other platforms and enable teams to manage the software lifecycle effectively. Style and approach This book is a recipe-based guide that uses a problem-solution format to call out inefficiencies in the software development lifecycle and then guides you, step-by-step, on how you can use Team Foundation Server to your advantage in those areas.

Continuous delivery adds enormous value to the business and the entire software delivery lifecycle, but adopting this practice means mastering new skills typically outside of a developer's comfort zone. In this practical book, Daniel Bryant and Abraham Marín-Pérez provide guidance to help experienced Java developers master skills such as architectural design, automated quality assurance, and application packaging and deployment on a variety of platforms. Not only will you learn how to create a comprehensive build pipeline for continually delivering effective software, but you'll also explore how Java application architecture and deployment platforms have affected the way we rapidly and safely deliver new software to production environments. Get advice for beginning or completing your migration to continuous delivery Design architecture to enable the continuous delivery of Java applications Build application artifacts including fat JARs, virtual machine images, and operating system container (Docker) images Use continuous integration tooling like Jenkins, PMD, and find-sec-bugs to automate code quality checks Create a comprehensive build pipeline and design software to separate the deploy and release processes Explore why functional and system quality attribute testing is vital from development to delivery Learn how to effectively build and test applications locally and observe your system while it runs in production

Scale and maintain outstanding performance in your AWS-based infrastructure using DevOps principles Key Features Implement continuous integration and continuous deployment pipelines on AWS Gain insight from an expert who has worked with Silicon Valley's most high-profile companies Implement DevOps principles to take full advantage of the AWS stack and services Book Description The DevOps movement has transformed the way modern tech companies work. Amazon Web Services (AWS), which has been at the forefront of the cloud computing revolution, has also been a key contributor to the DevOps movement, creating a huge range of managed services that help you implement DevOps principles. Effective DevOps with AWS, Second Edition will help you to understand how the most successful tech start-ups launch and scale their services on AWS, and will teach you how you can do the same. This book explains how to treat infrastructure as code, meaning you can bring resources online and offline as easily as you control your software. You will also build a continuous integration and continuous deployment pipeline to keep your app up to date. Once you have gotten to grips will all this, we'll move on to how to scale your applications to offer maximum performance to users even when traffic spikes, by using the latest technologies, such as containers. In addition to this, you'll get insights into monitoring and alerting, so you can make sure your users have the best experience when using your service. In the concluding chapters, we'll cover inbuilt AWS tools such as CodeDeploy and CloudFormation, which are used by many AWS administrators to perform DevOps. By the end of this book, you'll have learned how to ensure the security of your platform and data, using the latest and most prominent AWS tools. What you will learn Implement automatic AWS instance provisioning using CloudFormation Deploy your application on a provisioned infrastructure with Ansible Manage infrastructure using Terraform Build and deploy a CI/CD pipeline with Automated Testing on AWS Understand the container journey for a CI/CD pipeline using AWS ECS Monitor and secure your AWS environment Who this book is for Effective DevOps with AWS is for you if you are a developer, DevOps engineer, or you work in a team which wants to build and use AWS for software infrastructure. Basic computer science knowledge is required to get the most out of this book.