

Devops On The Microsoft Stack

Docker is a tool that is used to automate the deployment of applications in lightweight containers so that applications can work efficiently in different environments in isolation.

Microsoft Azure Mercurial, Azure DevOps, or uploaded through the user portal. Microsoft Azure supports many programming languages, tools, and frameworks, including Microsoft-specific and third-party software and systems. This feature was announced in preview form in June 2012 at the Meet Microsoft Azure event. Customers Microsoft Azure, or just Azure, is the cloud computing platform developed by Microsoft. It also provides capabilities that are usually not included within other cloud platforms, including software as a service (SaaS), platform as a service (PaaS), and infrastructure as a service (IaaS). It offers management, access and development of applications and services to individuals, companies, and governments through its global infrastructure

Visual Studio It can produce both native code and managed code. Microsoft offers Stakeholder Visual Studio is an integrated development environment (IDE) developed by Microsoft. Visual Studio uses Microsoft software development platforms including Windows API, Windows Forms, Windows Presentation Foundation (WPF), Microsoft Store and Microsoft Silverlight. It is used to develop computer programs including websites, web apps, web services and mobile apps. Services (VSTS)". On September 10, 2018, Microsoft announced another rebranding of the service, this time to "Azure DevOps Services"

Visual Studio Code Users can change the theme, keyboard shortcuts and preferences, as well as install extensions that add functionality. Features include support for debugging, syntax highlighting, intelligent code completion, snippets, code refactoring, and embedded version control with Git. (also known as "Code – OSS"), also created by Microsoft and available through GitHub. In the 2024 Stack Overflow Developer Survey, out of 58,121 responses Visual Studio Code (VS Code) is an integrated development environment developed by Microsoft for Windows, Linux, macOS and web browsers

Microsoft and open source 2017. 8 billion in the third quarter of 2018, while Microsoft's Azure cloud revenues. From the 1970s through 2000s under CEOs Bill Gates and Steve Ballmer, Microsoft viewed the community creation and sharing of communal code, later to be known as free and open source software, as a threat to its business, and both executives spoke negatively against it. Azure DevOps Blog. "Microsoft's Performance Contributions to Git in 2017". In the 2010s, as the industry turned towards cloud, embedded, and mobile computing—technologies powered by open source advances—CEO Satya Nadella led Microsoft towards open source adoption although

Microsoft's traditional Windows business continued to grow throughout this period generating revenues of 26. InfoQ. January Microsoft, a tech company historically known for its opposition to the open source software paradigm, turned to embrace the approach in the 2010s. "How Microsoft Solved Git's Problem with Large Repositories" 37bfd20bec

Visual Studio Code is proprietary software released under the "Microsoft Software License", but based on the MIT licensed program named "Visual Studio Code – Open Source" (also known as "Code – OSS"), also created by Microsoft and available through GitHub. 37bfd20bec

Progress Chef such as Amazon EC2, Google Cloud Platform, Oracle Cloud, OpenStack, IBM Cloud, Microsoft Azure, and Rackspace to automatically provision and configure Progress Chef (formerly Chef) is a configuration management tool written in Ruby and Erlang. It uses a pure-Ruby, domain-specific language (DSL) for writing system configuration "recipes". Chef contains solutions for both small and large scale systems. Chef is used to streamline the task of configuring and maintaining a company's servers, and can integrate with cloud-based platforms such as Amazon EC2, Google Cloud Platform, Oracle Cloud, OpenStack, IBM Cloud, Microsoft Azure, and Rackspace to automatically provision and configure new machines 37bfd20bec

Cloud native techniques "enable loosely coupled systems that are resilient, manageable, and observable. Combined with robust automation, they allow engineers to make high-impact changes frequently and predictably with minimal toil." This independence contributes to the overall resilience of the system, as issues... 37bfd20bec As a visualization tool, Grafana can be used as a component in monitoring stacks, often in combination with time series databases such as InfluxDB, Prometheus and Graphite; monitoring... 37bfd20bec

Cloud-native computing deployed using DevOps and Git CI workflows (although there is a large amount of competing open source that supports cloud-native development). Cloud native technologies focus on minimizing users' operational burden. The advantage Cloud native computing is an approach in software development that utilizes cloud computing to "build and run scalable applications in modern, dynamic environments such as public, private, and hybrid clouds". These technologies, such as containers, microservices, serverless functions, cloud native processors and immutable infrastructure, deployed via declarative code are common elements of this architectural style 37bfd20bec

Grafana "Russian-founded incident - Grafana is a multi-platform open source analytics and interactive visualization web application. Retrieved 2021-07-27. com.com". It can produce charts, graphs, and alerts for the web when connected to supported data sources. "Grafana Labs Acquires k6 to Add Open Source Load Testing Tool DevOps. devops. 17 June 2021 37bfd20bec

EMC ViPR In addition to the ViPR Controller, ViPR includes ViPR Global ViPR Controller is a software-defined storage offering from EMC Corporation announced on May 6, 2013,

at EMC World. " ViPR became generally available September 27, 2013. ViPR abstracts storage from disparate arrays into a single pool of storage capacity that "makes it easier to manage and automate its own data-storage devices and those made by competitors. and management tools, as well as cloud stacks such as VMware, OpenStack and Microsoft Hyper-V 37bfd20bec

Azure was first introduced at the Professional Developers Conference (PDC) in October 2008 under the codename "Project Red Dog". It was officially launched as Windows Azure in February 2010 and later renamed to Microsoft... 37bfd20bec There is also a licensed Grafana Enterprise version with additional capabilities, which is sold as a self-hosted installation or through an account on the Grafana Labs cloud service. It is expandable through a plug-in system. Complex monitoring dashboards can be built by end users, with the aid of interactive query builders. The product is divided into a front end and back end, written in TypeScript and Go, respectively. 37bfd20bec

Jeffrey Snover Snover is the inventor of Windows PowerShell, an object-based distributed automation engine, scripting language, and command line shell and was the chief architect for Windows Server. WinOps. "The Cultural Battle To Remove Windows from Windows Server". Think". Channel 9. "WinOps". DevOps Enterprise 2015 Talk Jeffrey Snover is a Distinguished Engineer at Google. Microsoft. YouTube. WinOps. Previously a Microsoft Technical Fellow, PowerShell Chief Architect, and the Chief Architect for Windows Server and the Azure Infrastructure and Management group which includes Azure Stack, System Center and Operations Management Suite 37bfd20bec

Docker (software) It was first released in 2013 and is developed by Docker, Inc. Linux portal DevOps DevOps toolchain Docker is a set of platform as a service (PaaS) products that use OS-level virtualization to deliver software in packages called containers. The service has both free and premium tiers. The software that hosts the containers is called Docker Engine. December 2023: Docker acquired AtomicJar to expand its testing capabilities. on Linux distributions remained unaffected 37bfd20bec

In the 2024 Stack Overflow Developer Survey, out of 58,121 responses, 73.6% of respondents reported using Visual Studio Code, more than... 37bfd20bec Visual Studio includes a code editor supporting IntelliSense (the code completion component) as well as code refactoring. The integrated debugger works as both a source-level debugger and as a machine-level debugger. Other built-in tools include a code profiler, designer for building GUI applications, web designer, class designer, and database schema designer. It accepts plug-ins that... 37bfd20bec

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