

Azure Tools and APIs

Janne Kemppe
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Azure Tools

- * **Microsoft Azure is managed with Azure Portal and Preview Portal.**
- * Two portals look at cloud infrastructure from different perspectives:
 - * Azure Portal is organized around management perspective.
 - * Stress is on availability and billing.
 - * Preview Portal is organized around project perspective.
 - * Single resource group holds all resources related to that project.
 - * Highly customizable.
- * Both portals can be switched between.

Azure Tools

- * **Azure Powershell cmdlets can be used to manage Azure with command prompts.**
- * Usually used for maintenance, standing up a new virtual machine, large scale commands.
 - * Administrator favourite. Scripting is fun. 😊

Azure Tools

- * **Visual Studio Server Explorer can be used to deploy code in Azure services.**
- * Typically used in development phase. Visual Studio has multiple wizards for Azure interaction.
 - * Developer favourite.
- * Web sites can be directly deployed using tools like FTP clients, Source Control deploy, WebMatrix etc.

Azure Tools

- * **SQL Server Management is used to manage cloud based databases.**
- * This manages deployment and maintenance of Azure SQL databases.
 - * Typically used by database administrators.

Azure APIs

- * **Azure can also be accessed by programming software and using Service Management REST API directly.**
- * API can be accessed through Microsoft Azure Management Libraries with .NET, Java, Node.js and php.
 - * Allows fully managing all Azure aspects.

Scripting

- * **Scripting server activities is a best practice and Azure continues this tradition.**
- * Scripting is necessary for large scale server administration.
 - * Automation saves time.
 - * Scripts should be added to source code repositories.
- * See Scott Guthrie's discussion and eBook in:
 - * <https://weblogs.asp.net/scottgu>

Questions?