Azure Learning Resources Guide

# Learning Resources

* [Azure Documentation](https://docs.microsoft.com/en-us/azure/) *(start your learning journey here!)*
* [Azure Video Center](https://azure.microsoft.com/en-us/resources/videos/home/)
* [Azure Learning Paths](https://azure.microsoft.com/en-us/documentation/learning-paths/)
* [Channel 9](https://channel9.msdn.com/)
* [MSDN Forum](https://social.msdn.microsoft.com/Forums/en-US/home)
* [Azure Resources](https://azure.microsoft.com/en-us/resources/)
* [Microsoft Virtual Academy](https://mva.microsoft.com/product-training/microsoft-azure)
* [Learn Analytics](http://learnanalytics.microsoft.com/)
* [Massively Open Online Courses (MOOCs)](https://openedx.microsoft.com/)
* [edX](https://www.edx.org/course?search_query=Azure)
* [Azure Interactive Documentation](http://azureplatform.azurewebsites.net/en-us/)
* [Azure solution architectures](https://azure.microsoft.com/en-us/solutions/architecture/)

# Reference links by topics

|  |  |
| --- | --- |
| Service/Topic | Reference Links |
| Azure / Cortana Intelligence Suite | * Documentation   + [Microsoft Azure for AWS experts](https://docs.microsoft.com/en-us/azure/guidance/guidance-azure-for-aws-professionals-service-map) * Training(s): * [Azure Developer Workshop (Storage, Cognitive, ML, Stream Analytics, Containers, Docker)](https://mva.microsoft.com/en-US/training-courses/azure-developer-workshop-storage-cognitive-ml-stream-analytics-containers-and-docker-17033?l=s9e3FaPND_6606218965) * [Cortana Intelligence Suite End-to-End](https://mva.microsoft.com/en-US/training-courses/cortana-intelligence-suite-endtoend-16972?l=W7jo0cDKD_7306218965) * [Microsoft Azure for AWS Experts](https://openedx.microsoft.com/courses/course-v1:Microsoft+Azure213x+2016_T4/about) * [Azure Fundamentals](https://openedx.microsoft.com/courses/course-v1:Microsoft+AZURE214x+2016_T4/about) – on OpenEDX * [Azure Fundamentals](https://www.pluralsight.com/courses/azure-fundamentals) – on Pluralsight * Certification(s):   + [Designing and Implementing Big Data Analytics Solutions](https://www.microsoft.com/en-us/learning/exam-70-475.aspx)   + [Designing and Implementing Cloud Data Platform Solutions](https://www.microsoft.com/en-us/learning/exam-70-473.aspx)   + [Developing Microsoft Azure Solutions](https://www.microsoft.com/en-us/learning/exam-70-532.aspx)   + [Implementing Microsoft Azure Infrastructure Solutions](https://www.microsoft.com/en-us/learning/exam-70-533.aspx)   + [Architecting Microsoft Azure Solutions](https://www.microsoft.com/en-us/learning/exam-70-534.aspx) |
| Development on Azure | * Training(s): * [Continuous Integration and Continuous Deployment](https://openedx.microsoft.com/courses/course-v1:Microsoft+DevOps200.3+2017_T1/about) * [DevOps Testing](https://openedx.microsoft.com/courses/course-v1:Microsoft+DEVOPS200.5+2017_T1/about) * [DevOps on Azure PaaS](https://openedx.microsoft.com/courses/course-v1:Microsoft+DevOps200.1+2017_T1/about) * [Introduction to Windows PowerShell](https://www.edx.org/course/introduction-windows-powershell-microsoft-posh200x) * Certification(s):   + [Developing Microsoft Azure Solutions](https://www.microsoft.com/en-us/learning/exam-70-532.aspx) |
| Azure Data Factory (v2) | ADF v2 is in private preview and the learning resources are not yet available. Below resources are a good start for understanding ADF v1.   * [Learning Path](https://azure.microsoft.com/en-us/documentation/learning-paths/data-factory/) * [Documentation](https://docs.microsoft.com/en-us/azure/data-factory/) * Training(s):   + [Orchestrating Big Data with Azure Data Factory](https://www.edx.org/course/orchestrating-big-data-azure-data-microsoft-dat223-3x)   + [Orchestrating Data and Services with Azure Data Factory](https://www.edx.org/course/orchestrating-big-data-azure-data-microsoft-dat223-3x) |
| Azure Data Lake Store | * [Learning Path](https://azure.microsoft.com/en-us/documentation/learning-paths/data-lake-store-self-guided-training/) * [Documentation](https://docs.microsoft.com/en-us/azure/data-lake-store/) * Training(s):   + [Introducing Azure Data Lake](https://mva.microsoft.com/en-US/training-courses/introducing-azure-data-lake-16910) |
| Azure Blob Store | * [Documentation](https://docs.microsoft.com/en-us/azure/storage/) * Training(s):   + [Microsoft Azure Storage](https://openedx.microsoft.com/courses/course-v1:Microsoft+AZURE205x+2016_T4/about) |
| PostgreSQL-as-a-Service | PostgreSQL-as-a-Service is in private preview and the learning resources are not yet available. |
| SQL DW | * [Documentation](https://docs.microsoft.com/en-us/azure/sql-data-warehouse/) * Training(s):   + [Introduction to Azure SQL DW](http://learnanalytics.microsoft.com/home/TrainingDetail/1112)   + [Delivering a Data Warehouse in the Cloud](https://www.edx.org/course/delivering-data-warehouse-cloud-microsoft-dat220x) |
| SQL DB | * [Documentation](https://docs.microsoft.com/en-us/azure/sql-database/) * [Learning Path](https://azure.microsoft.com/en-us/documentation/learning-paths/sql-database-training-learn-sql-database/) * Training(s):   + [Databases in Azure](https://openedx.microsoft.com/courses/course-v1:Microsoft+AZURE207x+2016_T4/about) |
| DocumentDB | * [Learning Path](https://azure.microsoft.com/en-us/documentation/learning-paths/documentdb/) * [Documentation](https://docs.microsoft.com/en-us/azure/documentdb/) * Training(s): * [Developing NoSQL Solutions in Azure](https://www.edx.org/course/developing-nosql-solutions-azure-microsoft-dat221x) |
| AML BD | AML BD is in private preview and the learning resources are not yet available. Below resources are a good start for understanding AML v1.   * [Documentation](https://docs.microsoft.com/en-us/azure/machine-learning/) * Trainings:   + [Hands-On with Azure Machine Learning](https://mva.microsoft.com/en-US/training-courses/handson-with-azure-machine-learning-16638) * Certification(s):   + [Perform Cloud Data Science with Azure Machine Learning (beta)](https://www.microsoft.com/en-us/learning/exam-70-774.aspx) |
| Azure Analysis Services | * [Documentation](https://docs.microsoft.com/en-us/azure/analysis-services/) * [Learning Path](https://azure.microsoft.com/en-us/documentation/learning-paths/stream-analytics/) |
| Azure Monitor | * [Documentation](https://docs.microsoft.com/en-us/azure/monitoring-and-diagnostics/) |
| Azure Application Insights | * [Documentation](https://docs.microsoft.com/en-us/azure/application-insights/) |
| Azure Log Analytics | * [Documentation](https://docs.microsoft.com/en-us/azure/log-analytics/) |
| OMS | * [Documentation](https://www.microsoft.com/en-us/cloud-platform/operations-management-suite) |
| PowerBI | * [Learning Guide](https://powerbi.microsoft.com/en-us/guided-learning/) * [Documentation](https://powerbi.microsoft.com/en-us/documentation/powerbi-landing-page/) * Training(s):   + [Analyzing and Visualizing Data with Power BI](http://learnanalytics.microsoft.com/home/TrainingDetail/1262) |
| PowerBI Embedded | * [Documentation](https://docs.microsoft.com/en-us/azure/power-bi-embedded/) |
| Azure Functions | * [Documentation](https://docs.microsoft.com/en-us/azure/azure-functions/) * Training(s):   + [Using Azure Functions to Build Nanoservices](https://mva.microsoft.com/en-US/training-courses/using-azure-functions-to-build-nanoservices-16765) |
| Azure Automation | * [Documentation](https://docs.microsoft.com/en-us/azure/automation/) |
| Azure Batch | * [Documentation](https://docs.microsoft.com/en-us/azure/batch/) |
| Azure Container Service | * [Documentation](https://docs.microsoft.com/en-us/azure/container-service/) * Training(s):   + [Deploying Dockerized Apps to the Azure Container Service](https://mva.microsoft.com/en-US/training-courses/deploying-dockerized-apps-to-the-azure-container-service-16637?l=1CQCWoJrC_406218965)   + [Azure Application Deployment and Management](https://openedx.microsoft.com/courses/course-v1:Microsoft+AZURE211x+2016_T4/about) |
| ASA | * [Documentation](https://docs.microsoft.com/en-us/azure/stream-analytics/) * Training(s):   + [Hands-On with Azure Stream Analytics](https://mva.microsoft.com/en-US/training-courses/using-azure-functions-to-build-nanoservices-16765) |
| HDInsight (Hadoop, R Server, Spark, HBase & NoSQL, Strom, Interactive Hive, and Kafka) | * [Documentation](https://docs.microsoft.com/en-us/azure/hdinsight/) * [Learning Path (Linux)](https://azure.microsoft.com/en-us/documentation/learning-paths/hdinsight-self-guided-hadoop-training/) * [Learning Path (Windows)](https://azure.microsoft.com/en-us/documentation/learning-paths/hdinsight-self-guided-hadoop-training-windows/) * Training(s):   + [Implementing Real-Time Analytics with Hadoop in Azure HDInsight](https://www.edx.org/course/implementing-real-time-analytics-hadoop-microsoft-dat202-2x-0) * Certification(s):   + [Perform Data Engineering on Microsoft Azure HDInsight (beta)](https://www.microsoft.com/en-us/learning/exam-70-775.aspx) |

# Upcoming Training Resources

Here are the Data and Analytics courses we expect to make available at <https://openedx.microsoft.com> in Q3FY17, some potentially as early as this week.

* Processing Big Data with Hadoop in Azure
* Implementing Real-Time Analysis with Hadoop in Azure HDInsight
* Implementing Predictive Solutions with Spark in Azure HDInsight
* Processing Big Data with Azure Data Lake Analytics
* Processing Real-Time Data Streams in Azure
* Orchestrating Big Data with Azure Data Factory
* Delivering a Data Warehouse in the Cloud
* Developing NoSQL Solutions in Azure
* Developing Big Data Solutions with Azure Machine Learning
* Provisioning Databases in Azure and SQL Server
* Recovering Data in Azure and SQL Server
* Securing Data in Azure and SQL Server