# Microsoft Azure Fundamentals

Course AZ-900T00--A: Microsoft Azure Fundamentals

Этот курс является вводным в технологии Azure. Упражнения в нем можно выполнять в бесплатной песочнице Azure, многие из них предоставляют доступ к порталу Azure, что позволит прочувствовать особенности работы с порталом. Рекомендуемые упражнения помечены. Но интересующиеся могут выполнить все. Количество песочниц ограничено десятью в день.

[**Describe cloud computing**](https://learn.microsoft.com/en-us/training/modules/describe-cloud-compute/)

* + 8 Units
* Без упражнений

[**Describe the benefits of using cloud services**](https://learn.microsoft.com/en-us/training/modules/describe-benefits-use-cloud-services/)

* + 7 Units
* Без упражнений

[**Describe cloud service types**](https://learn.microsoft.com/en-us/training/modules/describe-cloud-service-types/)

* + 6 Units
* Без упражнений

[**Describe the core architectural components of Azure**](https://learn.microsoft.com/en-us/training/modules/describe-core-architectural-components-of-azure/)

* + 9 Units
* [Exercise - Explore the Learn sandbox](https://learn.microsoft.com/en-us/training/modules/describe-core-architectural-components-of-azure/4-exercise-explore-learn-sandbox) 10 min
* [Exercise - Create an Azure resource](https://learn.microsoft.com/en-us/training/modules/describe-core-architectural-components-of-azure/7-exercise-create-azure-resource) 10 min **RECOMMENDED**

[**Describe Azure compute and networking services**](https://learn.microsoft.com/en-us/training/modules/describe-azure-compute-networking-services/)

* + 14 Units
* [Exercise - Create an Azure virtual machine](https://learn.microsoft.com/en-us/training/modules/describe-azure-compute-networking-services/3-exercise-create-azure-virtual-machine) 10 min **RECOMMENDED**
* [Exercise - Configure network access](https://learn.microsoft.com/en-us/training/modules/describe-azure-compute-networking-services/9-exercise-configure-network-access) 10 min

[**Describe Azure storage services**](https://learn.microsoft.com/en-us/training/modules/describe-azure-storage-services/)

* + 9 Units
* [Exercise - Create a storage blob](https://learn.microsoft.com/en-us/training/modules/describe-azure-storage-services/5-exercise-create-storage-blob) 10 min **RECOMMENDED**

[**Describe Azure identity, access, and security**](https://learn.microsoft.com/en-us/training/modules/describe-azure-identity-access-security/)

* + 11 Units
* Без упражнений

[**Describe cost management in Azure**](https://learn.microsoft.com/en-us/training/modules/describe-cost-management-azure/)

* + 9 Units
* [Exercise - Estimate workload costs by using the Pricing calculator](https://learn.microsoft.com/en-us/training/modules/describe-cost-management-azure/4-exercise-estimate-workload-costs-use-pricing-calculator) 10 min
* [Exercise - Compare workload costs using the TCO calculator](https://learn.microsoft.com/en-us/training/modules/describe-cost-management-azure/5-exercise-compare-workload-costs-use-total-cost-ownership-calculator) 10 min

[**Describe features and tools in Azure for governance and compliance**](https://learn.microsoft.com/en-us/training/modules/describe-features-tools-azure-for-governance-compliance/)

* + 8 Units
* [Exercise - Configure a resource lock](https://learn.microsoft.com/en-us/training/modules/describe-features-tools-azure-for-governance-compliance/5-exercise-configure-resource-lock) 15 min

[**Describe features and tools for managing and deploying Azure resources**](https://learn.microsoft.com/en-us/training/modules/describe-features-tools-manage-deploy-azure-resources/)

* + 6 Units
* Без упражнений

[**Describe monitoring tools in Azure**](https://learn.microsoft.com/en-us/training/modules/describe-monitoring-tools-azure/)

* + 6 Units
* Без упражнений

**Microsoft Azure Administrator**

Course AZ-104T00--A: Microsoft Azure Administrator

[**Configure Microsoft Entra ID**](https://learn.microsoft.com/en-us/training/modules/configure-azure-active-directory/)

* + 8 Units
* Без симуляции

[**Configure user and group accounts**](https://learn.microsoft.com/en-us/training/modules/configure-user-group-accounts/)

* + 9 Units
  + [Interactive lab simulation](https://learn.microsoft.com/en-us/training/modules/configure-user-group-accounts/7-simulation-user-groups) 30 min

[**Configure subscriptions**](https://learn.microsoft.com/en-us/training/modules/configure-subscriptions/)

* + 10 Units
* Без симуляции

[**Configure Azure Policy**](https://learn.microsoft.com/en-us/training/modules/configure-azure-policy/)

* + 11 Units
* [Interactive lab simulation](https://learn.microsoft.com/en-us/training/modules/configure-azure-policy/9-simulation-policy) 20 min

[**Configure role-based access control**](https://learn.microsoft.com/en-us/training/modules/configure-role-based-access-control/)

* + 10 Units
* [Interactive lab simulation](https://learn.microsoft.com/en-us/training/modules/configure-role-based-access-control/8-simulation-role-based) 25 min

[**Configure Azure resources with tools**](https://learn.microsoft.com/en-us/training/modules/configure-azure-resources-tools/)

* + 9 Units
* [Interactive lab simulation (Azure PowerShell)](https://learn.microsoft.com/en-us/training/modules/configure-azure-resources-tools/5-simulation-powershell) 15 min

[**Use Azure Resource Manager**](https://learn.microsoft.com/en-us/training/modules/use-azure-resource-manager/)

* + 10 Units
* Без симуляции

[**Configure resources with Azure Resource Manager templates**](https://learn.microsoft.com/en-us/training/modules/configure-resources-arm-templates/)

* + 9 Units
* [Interactive lab simulation - templates](https://learn.microsoft.com/en-us/training/modules/configure-resources-arm-templates/7-simulation-template) 17 min

[**Configure virtual networks**](https://learn.microsoft.com/en-us/training/modules/configure-virtual-networks/)

* + 11 Units
* [Interactive lab simulation](https://learn.microsoft.com/en-us/training/modules/configure-virtual-networks/9-simulation-create-networks) 15 min

[**Configure network security groups**](https://learn.microsoft.com/en-us/training/modules/configure-network-security-groups/)

* + 9 Units
* [Interactive lab simulation](https://learn.microsoft.com/en-us/training/modules/configure-network-security-groups/7-simulation-create-network-groups) 15 min

[**Configure Azure DNS**](https://learn.microsoft.com/en-us/training/modules/configure-azure-dns/)

* + 11 Units
* [Interactive lab simulation](https://learn.microsoft.com/en-us/training/modules/configure-azure-dns/8a-simulation-domain-names) 10 min

[**Configure Azure Virtual Network peering**](https://learn.microsoft.com/en-us/training/modules/configure-vnet-peering/)

* + 8 Units
* [Interactive lab simulation](https://learn.microsoft.com/en-us/training/modules/configure-vnet-peering/6-simulation-peering) 25 min

[**Configure network routing and endpoints**](https://learn.microsoft.com/en-us/training/modules/configure-network-routing-endpoints/)

* + 9 Units
* [Interactive lab simulation](https://learn.microsoft.com/en-us/training/modules/configure-network-routing-endpoints/7-simulation-routing) 35 min

[**Configure Azure Load Balancer**](https://learn.microsoft.com/en-us/training/modules/configure-azure-load-balancer/)

* + 11 Units
* [Interactive lab simulation](https://learn.microsoft.com/en-us/training/modules/configure-azure-load-balancer/9-simulation-load-balancer) 45 min

[**Configure Azure Application Gateway**](https://learn.microsoft.com/en-us/training/modules/configure-azure-application-gateway/)

* + 6 Units
* Без симуляции

[**Configure storage accounts**](https://learn.microsoft.com/en-us/training/modules/configure-storage-accounts/)

* + 9 Units
* Без симуляции

[**Configure Azure Blob Storage**](https://learn.microsoft.com/en-us/training/modules/configure-blob-storage/)

* + 11 Units
* [Interactive lab simulation](https://learn.microsoft.com/en-us/training/modules/configure-blob-storage/9-simulation-blobs) 15 min **RECOMMENDED**

[**Configure Azure Storage security**](https://learn.microsoft.com/en-us/training/modules/configure-storage-security/)

* + 10 Units
* [Interactive lab simulation](https://learn.microsoft.com/en-us/training/modules/configure-storage-security/8-simulation-storage) 30 min **RECOMMENDED**

[**Configure Azure Files and Azure File Sync**](https://learn.microsoft.com/en-us/training/modules/configure-azure-files-file-sync/)

* + 9 Units
* Без симуляции

[**Configure Azure Storage with tools**](https://learn.microsoft.com/en-us/training/modules/configure-storage-tools/)

* + 7 Units
* Без симуляции

[**Configure virtual machines**](https://learn.microsoft.com/en-us/training/modules/configure-virtual-machines/)

* + 10 Units
* [Interactive lab simulation](https://learn.microsoft.com/en-us/training/modules/configure-virtual-machines/8-simulation-create-virtual-machines) 15 min **RECOMMENDED**

[**Configure virtual machine availability**](https://learn.microsoft.com/en-us/training/modules/configure-virtual-machine-availability/)

* + 13 Units
* [Interactive lab simulation](https://learn.microsoft.com/en-us/training/modules/configure-virtual-machine-availability/11-simulation-machine-scale) 40 min

[**Configure Azure App Service plans**](https://learn.microsoft.com/en-us/training/modules/configure-app-service-plans/)

* + 7 Units
* Без симуляции

[**Configure Azure App Service**](https://learn.microsoft.com/en-us/training/modules/configure-azure-app-services/)

* + 13 Units
* [Interactive lab simulation](https://learn.microsoft.com/en-us/training/modules/configure-azure-app-services/11-simulation-web-apps) 25 min **RECOMMENDED**

[**Configure Azure Container Instances**](https://learn.microsoft.com/en-us/training/modules/configure-azure-container-instances/)

* + 8 Units
* [Interactive lab simulation](https://learn.microsoft.com/en-us/training/modules/configure-azure-container-instances/6-simulation-containers) 10 min **RECOMMENDED**

[**Configure file and folder backups**](https://learn.microsoft.com/en-us/training/modules/configure-file-folder-backups/)

* + 9 Units
* [Interactive lab simulation](https://learn.microsoft.com/en-us/training/modules/configure-file-folder-backups/7-interactive-lab-simulation) 45 min

[**Configure virtual machine backups**](https://learn.microsoft.com/en-us/training/modules/configure-virtual-machine-backups/)

* + 13 Units
* [Interactive lab simulation](https://learn.microsoft.com/en-us/training/modules/configure-virtual-machine-backups/11-simulation-machine-backups) 45 min

[**Configure Azure Monitor**](https://learn.microsoft.com/en-us/training/modules/configure-azure-monitor/)

* + 10 Units
* [Interactive lab simulation](https://learn.microsoft.com/en-us/training/modules/configure-azure-monitor/8-simulation-monitor) 30 min **RECOMMENDED**

[**Configure Azure alerts**](https://learn.microsoft.com/en-us/training/modules/configure-azure-alerts/)

* + 7 Units
* Без симуляции

[**Configure Log Analytics**](https://learn.microsoft.com/en-us/training/modules/configure-log-analytics/)

* + 7 Units
* Без симуляции

[**Configure Network Watcher**](https://learn.microsoft.com/en-us/training/modules/configure-network-watcher/)

* + 7 Units
* Без симуляции