

Agenda

Deploy Integrate Secure and scale See Deploy container Integrate Ollama into Secure and scale See a live demo of an workloads with ease your own apps for your AI services in a end-to-end LLM private, cost-efficient cloud-native way deployment inference

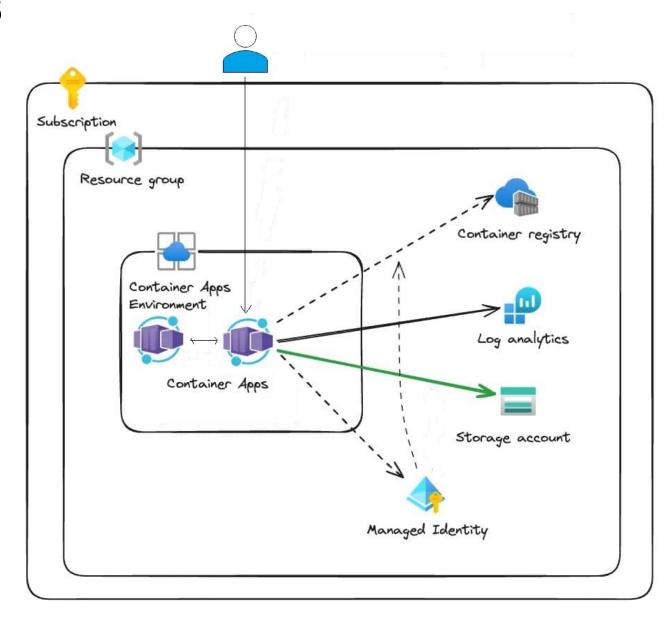
Azure Container Options

- Azure Container Apps
- Azure App Service
- Azure Container Instances
- Azure Kubernetes Service
- Azure Functions
- Azure Red Hat OpenShift



Azure Container Apps

- Create Resource Group
- Create Container Registry
- Create Storage Account
- Create Container Environment
- Create Container App



Storage mounts in Azure Container Apps

Storage type	Description	Persistence	Usage example
Container-scoped storage	Ephemeral storage available to a running container	Data is available until container shuts down	Writing a local app cache.
Replica-scoped storage	Ephemeral storage for sharing files between containers in the same replica	Data is available until replica shuts down	The main app container writing log files that a sidecar container processes.
Azure Files	Permanent storage	Data is persisted to Azure Files	Writing files to a file share to make data accessible by other systems.

Azure Files

- Container can mount multiple Azure Files volume
- Multiple containers can mount the same Azure Files volume
- Must use a vNet if you want to use NFS
- SMB can be used without a vNet

Basic Ollama CLI Commands

Command	Description	
ollama serve	Starts Ollama on your local system.	
ollama create <new_model></new_model>	Creates a new model from an existing one for customization or training.	
ollama show <model></model>	Displays details about a specific model, such as its configuration and release date.	
ollama run <model></model>	Runs the specified model, making it ready for interaction.	
ollama pull <model></model>	Downloads the specified model to your system.	
ollama list	Lists all the downloaded models. The same as ollama ls	
ollama ps	Shows the currently running models.	
ollama stop <model></model>	Stops the specified running model.	
ollama rm <model></model>	Removes the specified model from your system.	
ollama help	Provides help about any command.	

