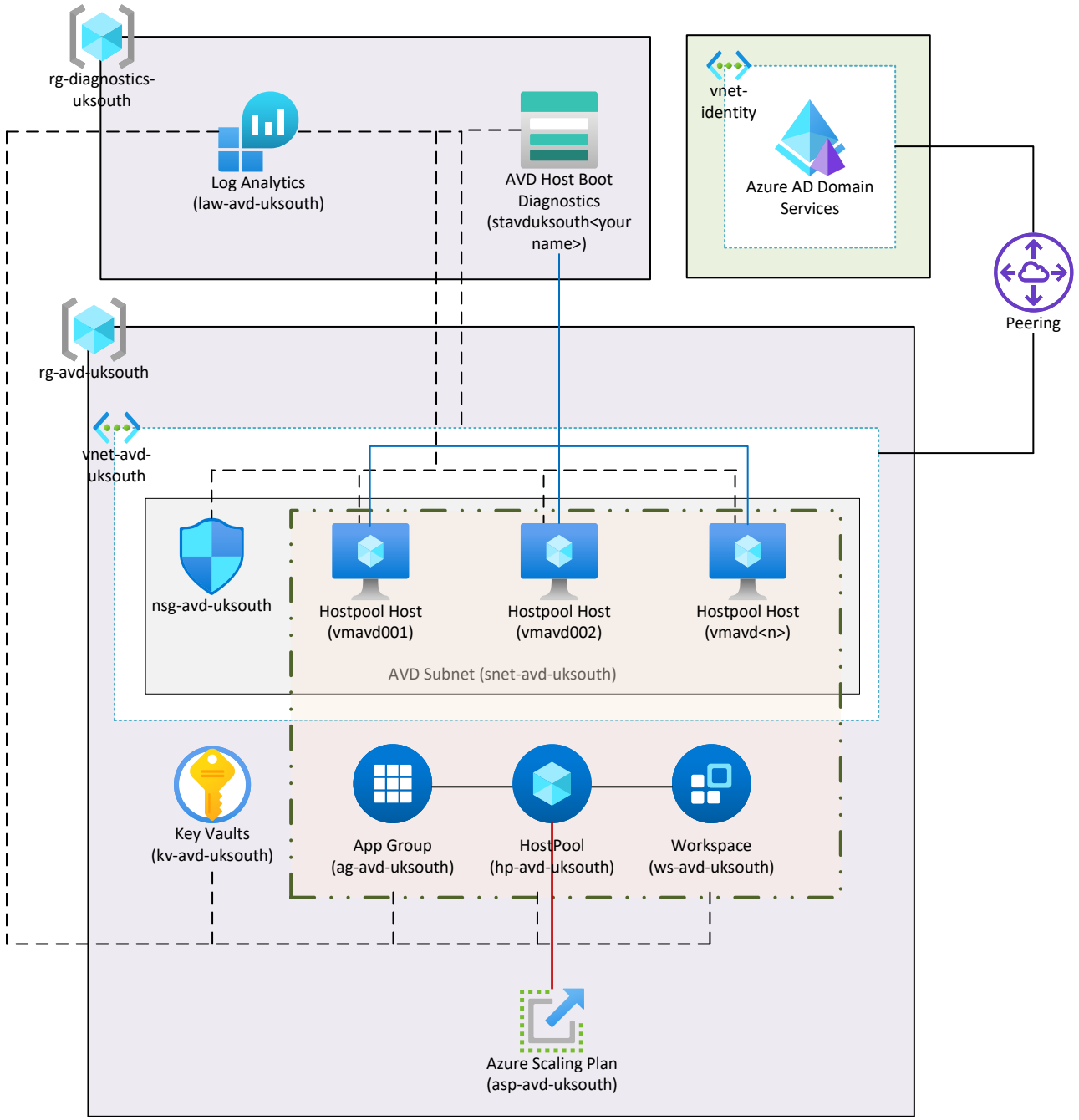
AVD Build Out Architecture



Notes

- You will create two resource groups – one for the AVD deployment and one for diagnostics
- Dashed lines show the connectivity between resources and to diagnostics services
- Vnet-identity contains an already pre-configured Azure Active Directory Domain Services (AADDS) that you can use for the purposes of this workshop.
- We will be setting up all the components defined with a light purple background.
- The naming conventions used are optional – you are more than welcome to use your own
- Storage accounts MUST have a unique global name, so please ensure that you change the storage account name.
- Credentials will be stored in the Key Vault
- You can find both the skeleton and full solution code here: https://github.com/mikerossms/AVD-Bicep-LBG

Network Configuration

- AVD Vnet – 10.201.0.0/24
- AVD Subnet – 10.201.0.0/24

- The AVD Vnet needs to be peered to the identity vnet (vnet-identity) for domain level access and setup to work.

- Network Security Group (NSG) rules on the AVD subnet will be kept very simple with a single inbound rule of TCP/3389 from any Vnet

Diagnostics setup

- Log Analytics will provide the bulk of the logging and feed into the monitoring
- The Boot diagnostic storage account will be used to provide boot level diagnostics to help with any startup issues

AVD

AVD is made up of five components:

- Host Pool – this defines and looks after the interactions with the Hosts Application Group – this provides the applications associated with a Host Pool
- Workspace – this provides the workspace that the user sees – a collections of App Groups
- Hosts – These are the building blocks of your host pool – the actual virtual machines themselves.
- Scaling Plan – This sites on top of the Host Pool and defines how many hosts are available to use as well as scaling up and down automatically based on demand
- We will use the following image for all the builds:

offer:	office-365
publisher:	MicrosoftWindowsDesktop
sku:	win11-22h2-avd-m365
type:	PlatformImage
version:	latest