AVD Build Out Architecture

rg-diagnostics-uksouth
- Log Analytics (law-avd-uksouth)
- AVD Host Boot Diagnostics (stavduksouth<your name>)

vnet-identity
- Azure AD Domain Services

rg-avd-uksouth

vnet-avd-uksouth
- nsg-avd-uksouth
- Hostpool Host (vmavd001)
- Hostpool Host (vmavd002)
- Hostpool Host (vmavd<n>)

AVD Subnet (snet-avd-uksouth – 10.230.0.0/25)

- App Group (ag-avd-uksouth)
- HostPool (hp-avd-uksouth)
- Workspace (ws-avd-uksouth)

Azure Scaling Plan (asp-avd-uksouth)
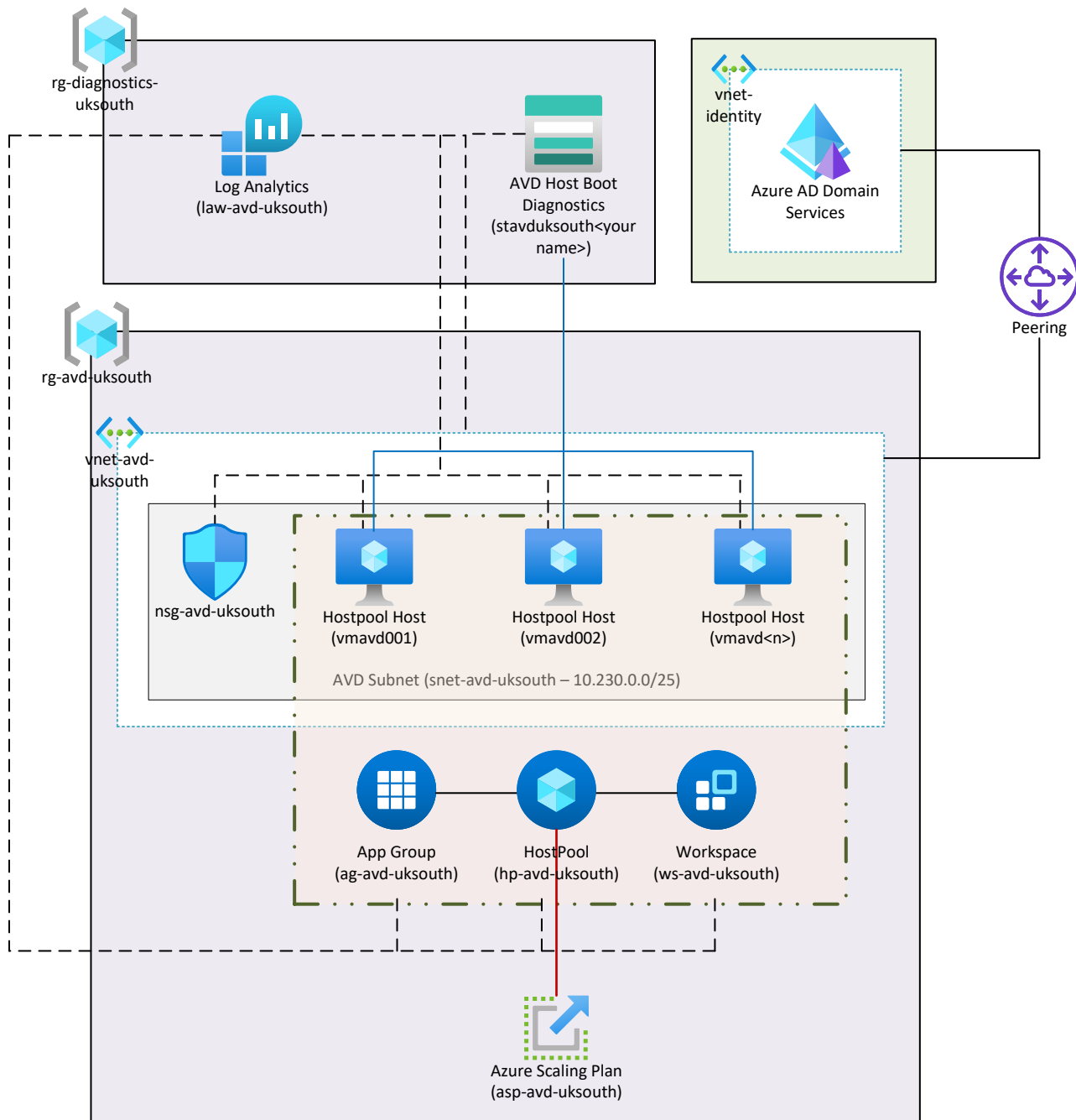
Peering

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.
- You can find both the skeleton and full solution code here: https://github.com/mikerossms/AVD-Bicep-LBG

Network Configuration
- AVD Vnet – 10.230.0.0/24
- AVD Subnet – 10.230.0.0/24

- 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
```