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CONTAINER SUPPORT Docker brought containers to the masses • Management, registry and container runtime (are many options) • Hyper-V Containers (isolated kernel) Azure Container Registry Provides private repositories Can be geo-replicated (with Premium SKU)
 Place close to deployment to reduce latency, increase Can also run jobs to build the container image

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AZURE CONTAINER INSTANCES • Linux or Windows "Container as a Service" • Built from standard or custom images Public or private (Linux) • Very useful for burst scenarios or very basic scenarios · Can integrate with AKS via Virtual Kubelet 139

AZURE KUBERNETES SERVICE · We often need more than one, isolated container · Complete orchestration is required, Kubernetes • AKS provides a free, managed Kubernetes environment for clusters You only pay for worker nodes which can auto-scale

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Multiple node pools ACI for burst via virtual kubelet User node pools can use spot instances Stop/Start AKS cluster Auto-healing Managed identity use Accorde 202 Administry AC (1974) Accorded 202 Administry AC (1974) ACCORDED 202 Administry AC (1974) ACCORDED 202 ACCORDED 202

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The "original" PaaS Hosting of web apps (including API) Wide range of runtimes and languages supported Includes Windows and Linux (including containerized) Have a certain number of nodes with auto scale for standard and above in a plan Multiple applications can deploy to same plan (sharing resource)

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Can scale up and out Deployment slots Network control via service endpoint Virtual Network integration (in and out) App Service Environment (ASE) dedicated deployment INTO your vnet

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Serverless compute (but can run within App Service Plan resources) Event driven such as HTTP, schedule, event grid, blob creation Binds to additional inputs and outputs Wide support of runtimes 1 million executions FREE!

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QUESTIONS?

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