

Welsh Azure User Group



Azure Landing Zones – Lightning Talk!





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Please note: the views and opinions in this presentation are entirely my own!

Azure Landing Zones in 15!

- **What are Azure Landing Zones?**
- **Why would I need a Landing Zone?**
- **Where can I find out more about Landing Zones?**

Landing Zones – What are they?

"Azure landing zones are the output of a multisubscription Azure environment that accounts for scale, security, governance, networking, and identity." – *Microsoft Cloud Adoption Framework*

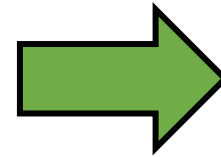
- **A foundation for Scalable and Modular growth** – getting the basics in place ready to consume Azure Services.
- **Enterprise Scale focuses on 8 Common Design Areas** – covering the key areas that need consideration when for scale.
- **Usually deployed through automation, but not always** – all organizations are different and have different needs.

Landing Zones – What are they?

A Landing Zone is a bit like building a house – there are things we need in place before/during/after the build:



- A plot of Land
- Foundations
- Walls
- A roof
- Gas / Water / Electricity
- Insurance
- Alarms/CCTV



Common Design Areas

8 Common Design Areas



Network Topology &
Connectivity



Identity



Resource
Organization



Governance
disciplines



Operations
baseline



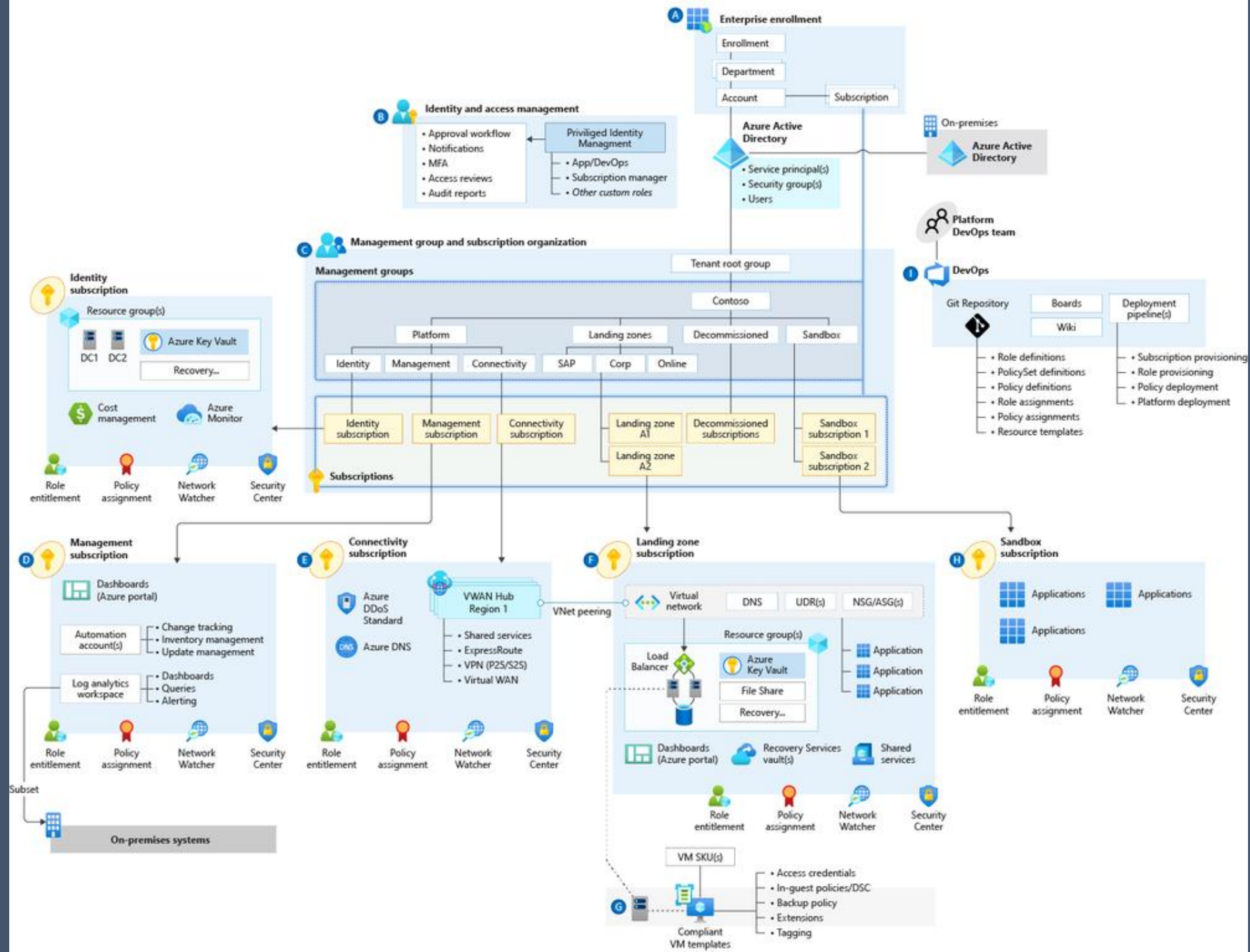
Enterprise Enrolment

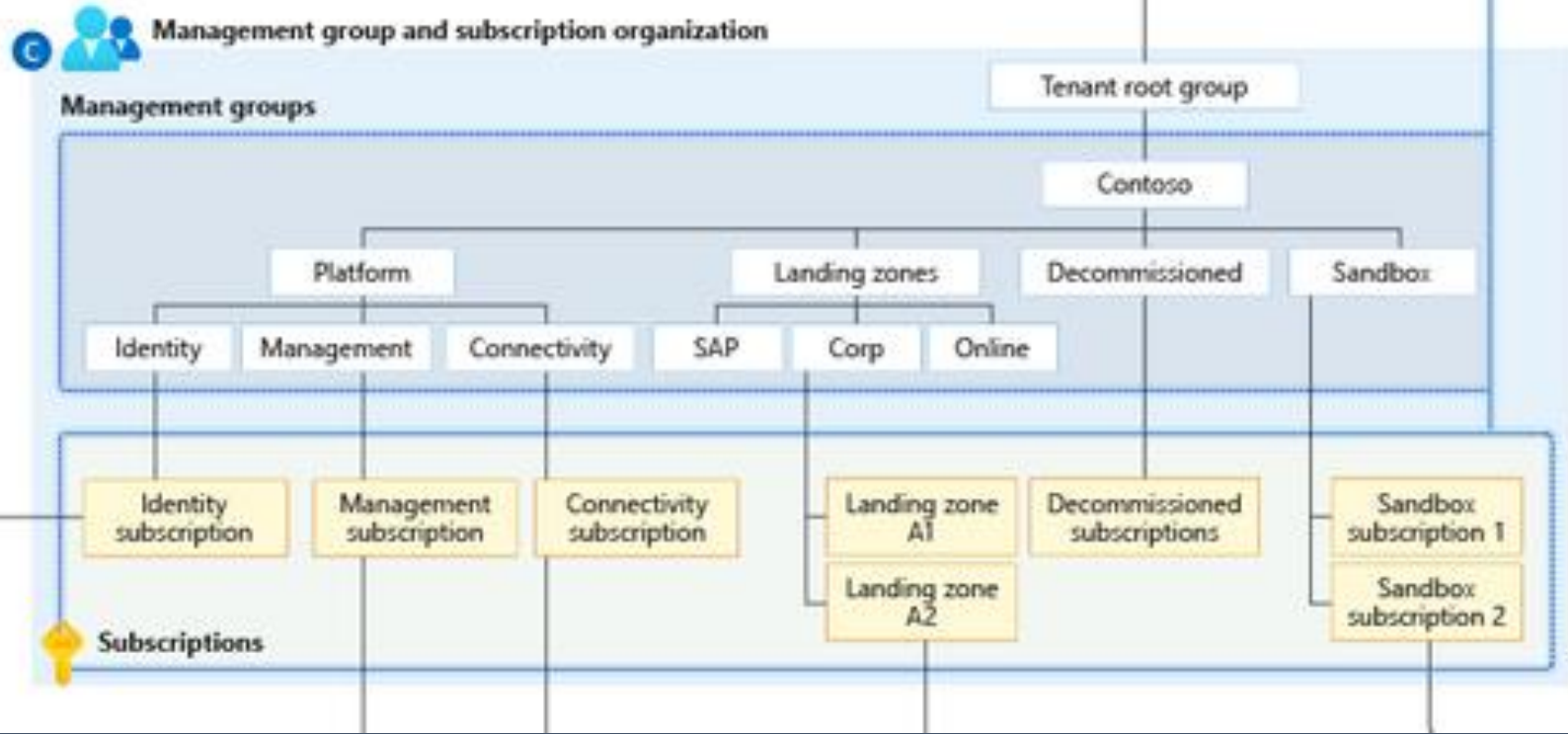
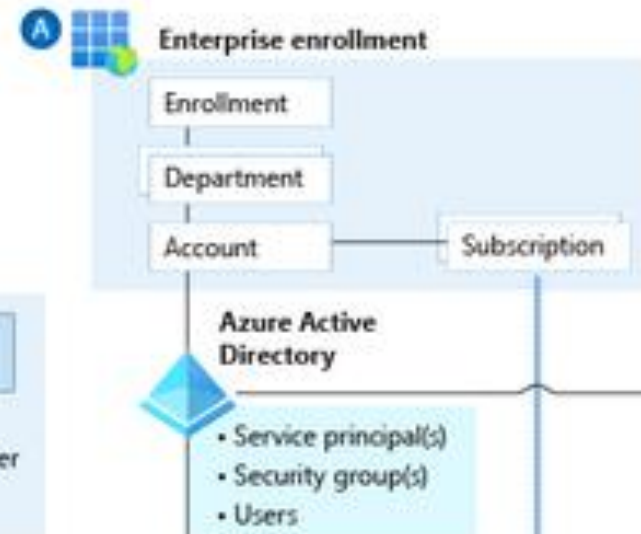


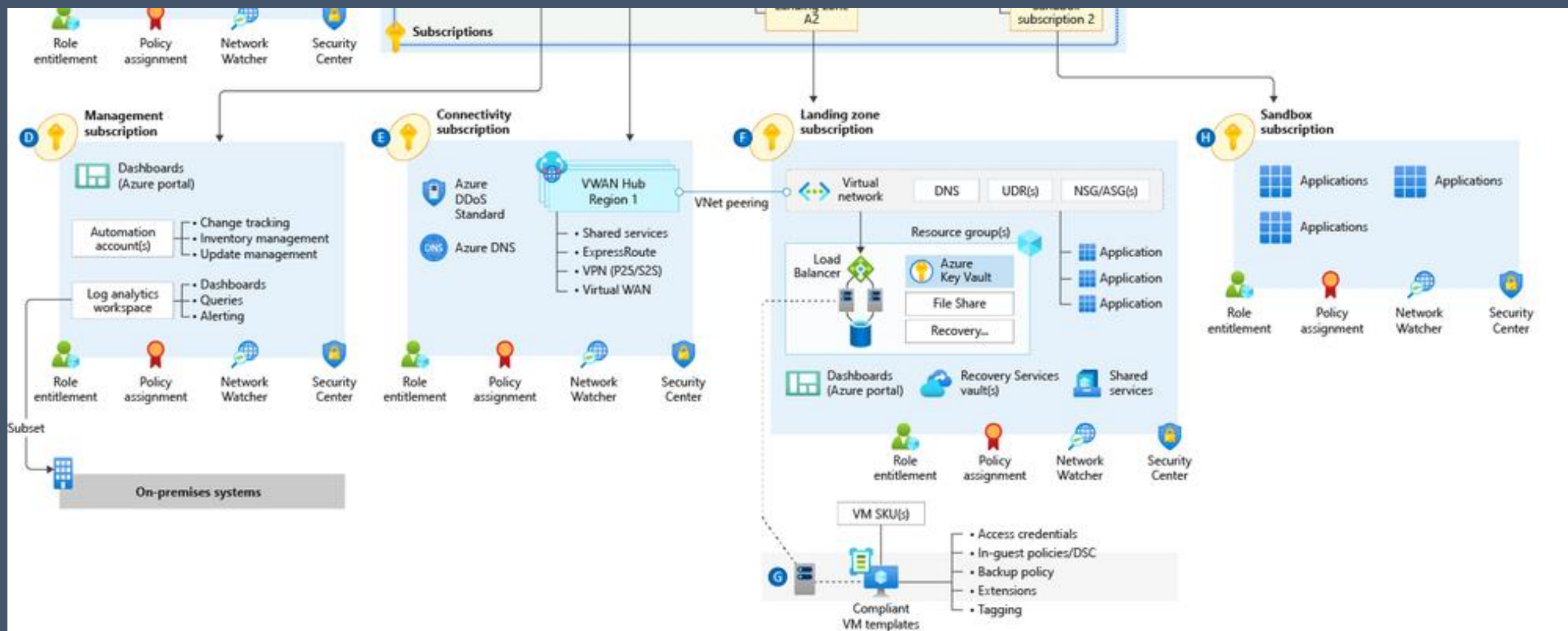
Deployment options



Business Continuity
& Disaster Recovery







Landing Zones – Time matters!



Essential to consider an Organization's growth and uptake of Azure Services over **time**.

Considering needs now – with a view on expansion needs and changes in the future.

For example:

- Business growth/acquisition and changes in structure
- New services/applications
- Future Azure Services an Organisation may consume
- Scaling of Services or Traffic Growth

Why are Landing Zones important?

- **Azure Well Architected Framework**

Pillar	Description
Cost Optimization	Managing costs to maximize the value delivered.
Operational Excellence	Operations processes that keep a system running in production.
Performance Efficiency	The ability of a system to adapt to changes in load.
Reliability	The ability of a system to recover from failures and continue to function.
Security	Protecting applications and data from threats.

Why are Landing Zones important?

- Essential to get the right start in consuming Microsoft Azure – for some organizations, this means **Enterprise Scale**, for others, **starting small and expanding as needs dictate**.
- Provides the foundational resources required – the **essential baseline** resources for **consumption/growth** at scale.
- Helps remove the “we need X in place before we can use Y” issues of Cloud Adoption – by ensuring **supporting elements are in place from the offset**.
- For growth at scale – a Landing Zone ensures we have a **baseline of resources in place to allow growth and scale without hitting limits**.

Resources

- <https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/>
- <https://www.techieclass.com/what-is-an-azure-landing-zone>
- <https://techcommunity.microsoft.com/t5/azure-architecture-blog/enterprise-scale-for-azure-landing-zones/ba-p/1576575>
- <https://azure.microsoft.com/en-gb/blog/creating-cloud-ready-environments-with-azure-landing-zones/>
- <https://docs.microsoft.com/en-us/learn/modules/microsoft-cloud-adoption-framework-for-azure/>
- <https://channel9.msdn.com/Shows/Azure-Enablement/Start-small-and-expand-Azure-landing-zones-approach--Landing-zones-Ep3--Cloud-Adoption-Framework>
- https://azure.microsoft.com/en-gb/services/blueprints/?WT.mc_id=modinfra-9357-salean
- <https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/ready/azure-setup-guide/organize-resources?tabs=NamingStandards>
- <https://jakewalsh.co.uk/why-you-need-a-landing-zone/>



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Thank You!