EmaLite



SERVICE BROCHURE

Cloud & Data Centre

Hybrid estates, data centre fabrics, migrations and recovery plans that hold up under a real outage rather than a tabletop one.

What we are usually called in for

Hybrid is the normal state, not a transitional one — but most estates are hybrid by accumulation rather than by design. Two addressing plans, two identity models, a recovery strategy that exists as a document, and a replication topology that has never been asked to do the thing it was bought for.

Recovery objectives are the clearest example. Almost every organisation has them. Far fewer have exercised them, and an RTO nobody has measured is an aspiration with a number attached.

Our approach

We design the data centre and the cloud as one system: one addressing plan, one identity model, one recovery strategy. Workloads are assessed and sequenced into waves, each with a rollback defined before the wave starts.

Then we rehearse the failure paths. A live failover before go-live is uncomfortable and occasionally embarrassing, which is exactly why it should happen while the room is calm and the stakes are low.

What the work involves

Data centre fabric

Spine-leaf and policy fabrics — Cisco ACI with VXLAN and BGP EVPN — designed, staged, commissioned and accepted against the design rather than against whether traffic happens to pass.

Migration & modernisation

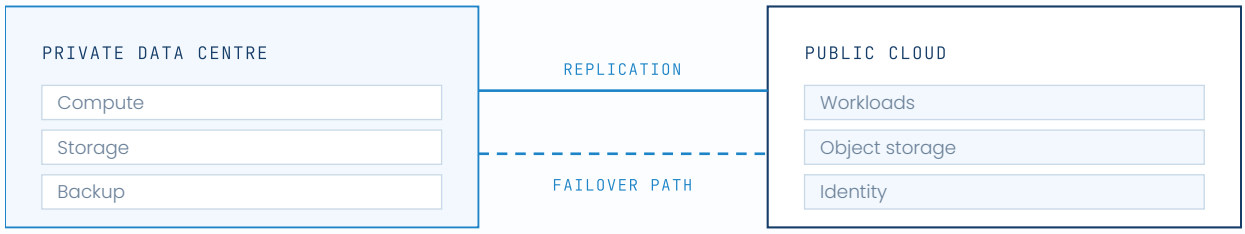
Workload assessment, sequencing and cut-over plans, with rollback defined for every wave and downtime measured rather than estimated.

Virtualisation & compute

Hypervisor, storage and backup design sized on measured IOPS and real growth, not on a spreadsheet of assumptions.

Continuity & recovery

RTO and RPO targets translated into replication topology, runbooks written for the people who will use them, and scheduled failover tests.



ONE ESTATE ACROSS TWO LOCATIONS, WITH A FAILOVER PATH THAT HAS BEEN EXERCISED

How it is sequenced

STAGE	WHAT HAPPENS
Assess	Workload inventory, dependencies and measured IOPS — the estate as it behaves, not as it was sized
Design	Fabric, hybrid topology, identity and recovery designed as one system
Build	Fabric staged and commissioned; replication built to the stated RTO and RPO
Migrate	Sequenced waves, each with a rollback and a measured downtime window
Rehearse	Live failover before go-live, runbooks written for the people who will use them

What is delivered

Every engagement ends with something you keep. For this service, that is:

- Recovery objectives verified by live failover, not asserted in a policy
- One identity and addressing model across on-premises and cloud
- Cut-overs measured in minutes of downtime, with rollback at every step
- Fabric documented at low-level detail — underlay, overlay and policy model
- Runbooks for restore and failover, written in the language of the team who will run them

Technologies

CISCO ACI | VXLAN | BGP EVPN | HYBRID CLOUD | VIRTUALISATION | REPLICATION | BACKUP & DR | COLOCATION

> ON POLICY FABRICS
>
> ACI is not the right answer everywhere. It earns its place when application policy is the thing that keeps growing — when every new service means another VLAN and another rule. If the estate is small and stable, we will say so.

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Start with the estate you actually have.

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Send us the current topology, or the problem you cannot get past, and we will tell you what we would do about it.

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This document is provided for information. Technical detail is indicative and is confirmed at design stage.