

Hybrid Cloud & Hybrid Workplace

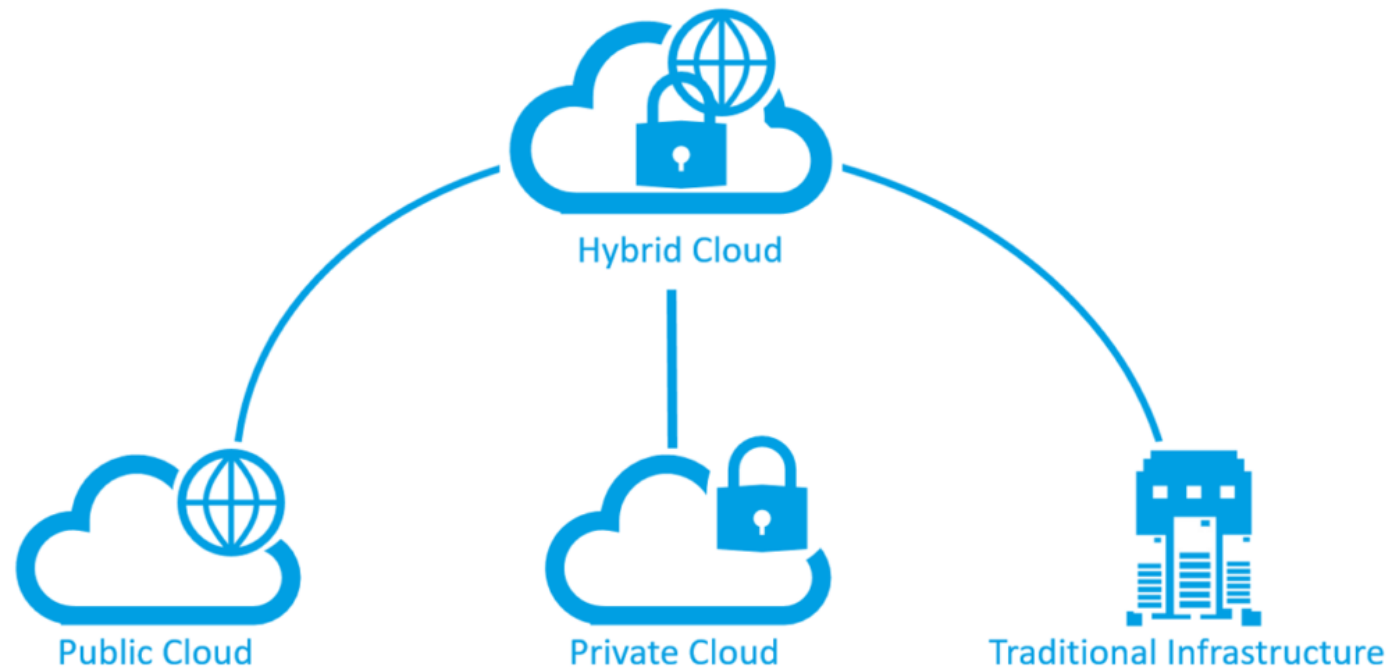


“The internet becomes the new corporate network.”

Murat Dilek

Team Leader | Network, Infrastructure & Cybersecurity
Project Manager | Hybrid Cloud & Modern Workplace

Hybrid Cloud



Public Cloud



- Cloud First -> Cloud Appropriate
- Office365
- HR, Housing & Social Care apps

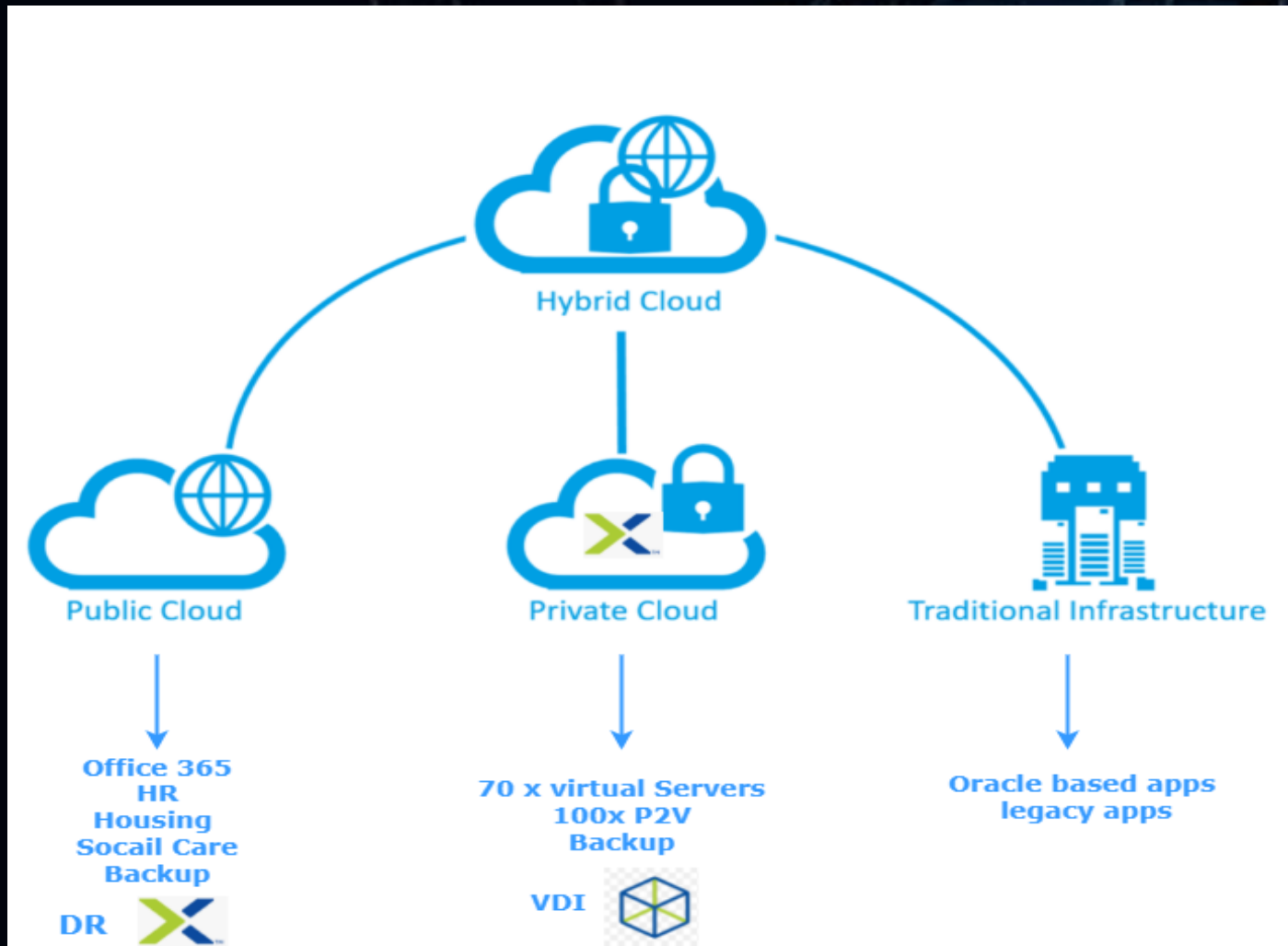
Private Cloud

The main goal of this project is to create a resilient Falkirk Council Private Server Cloud infrastructure using Hyperconverged virtualisation technologies.

The main advantages of Private Cloud are

- Scalable on-demand,
- Cuts operational expenses due to efficient resource utilisation. This will reduce the amount of on-premise equipment that we need to support and maintain.
- Streamlines management processes and increases productivity due to workload automation.
- Provides the ability to easily scale the infrastructure up or down on demand.
- Reduces management overhead as you can maintain and monitor the entire system centrally.
- Improves our Business Continuity options, meaning that we can protect the entire infrastructure in just a few clicks and then recover critical data and applications quickly in the event of a disaster.
- Reduce Datacenter floor space and CO2 emissions.

Hybrid Cloud

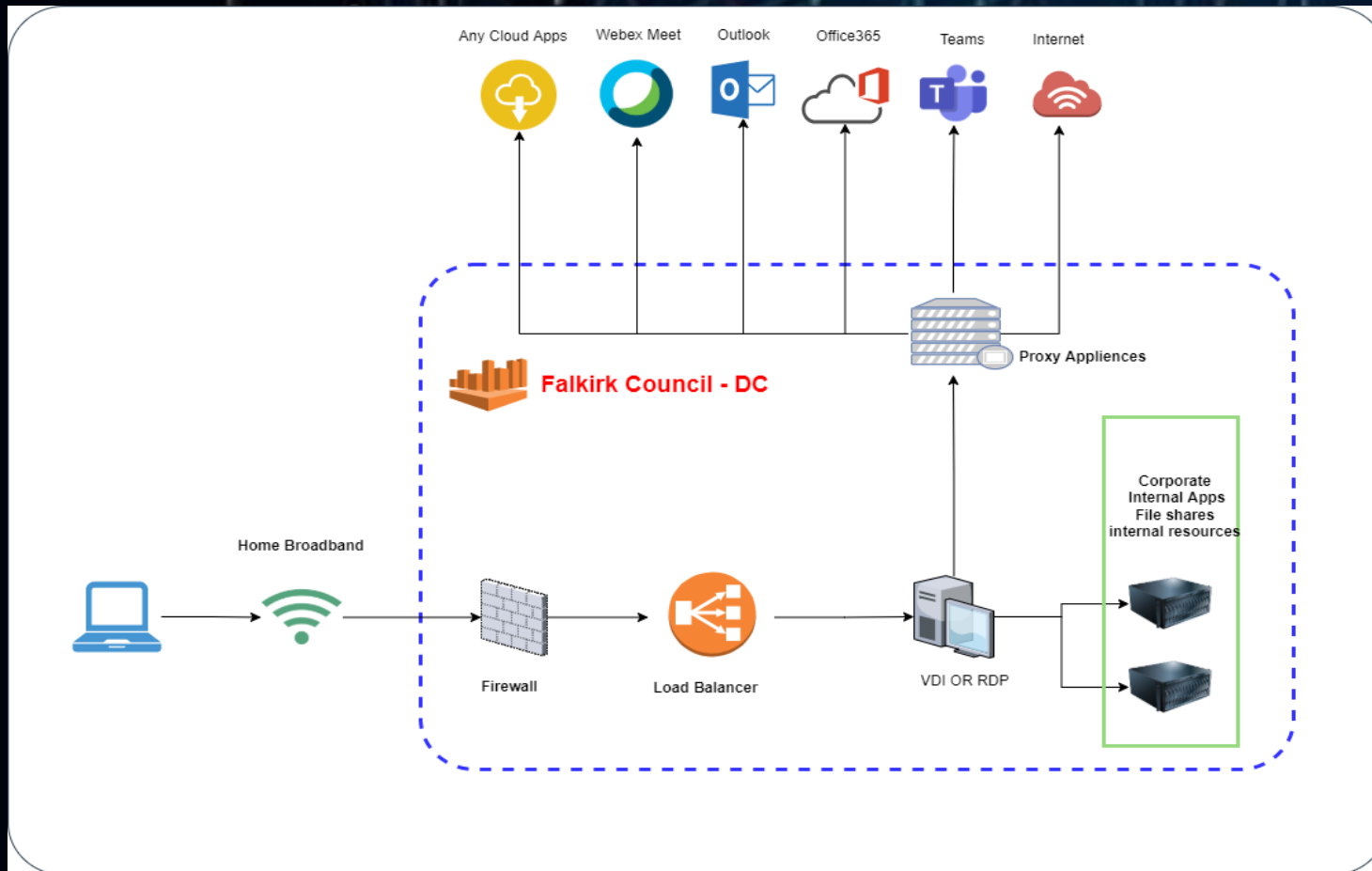


Hybrid Workplace Zero Trust Access

Challenges

- Complex and ageing infrastructure- not easily scalable on-demand
- Office365 migration
- Video conferencing
- Work anytime any where
- Cybersecurity
- Covid 1.0 and Covid 2.0
- Data Centre move

Hybrid Workplace Zero Trust Access



Hybrid Workplace Zero Trust Access

Solution- Hybrid Modern Workplace

- Single Device
- Device Management
 - Anti virus endpoint
 - Patch Management
 - Device restriction/Encryption
 - Complex Password /Passphrase
- Access to on-prem apps and resources
 - We are using encrypted tunnel to access to on-prem apps and resources
- Internet access
 - Local internet breakouts
 - Web gateways- Web filtering SSL inspection



#ZeroTrustAccess



Internet Access

Full inline inspection to block the bad, and protect the good

Breakout to the Internet

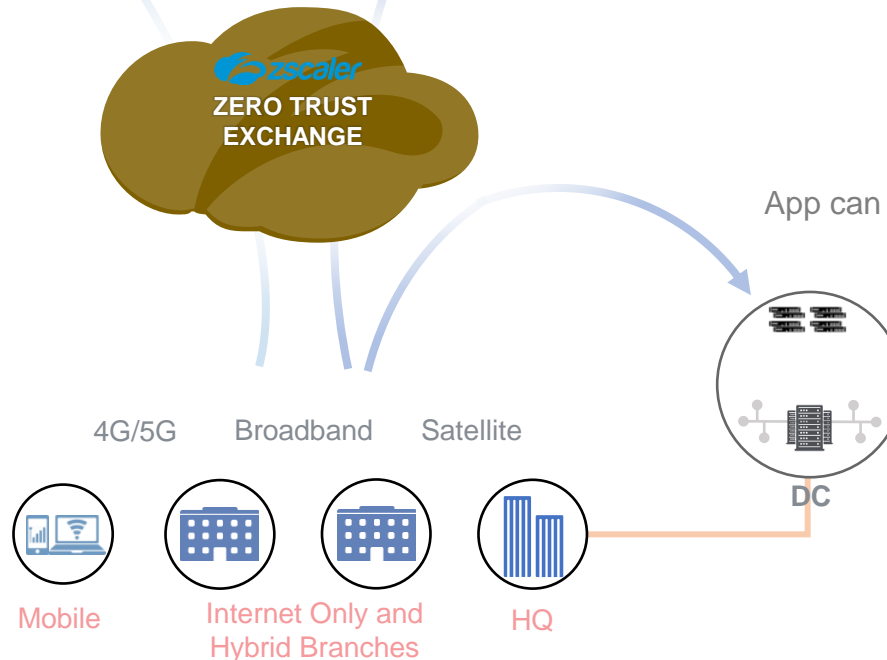
- Direct consumption of applications
- No network path to DC needed
- Security enforced in 150+ locations
- M365 optimization
- In line business protection (DLP, CASB, etc.)
- Secure workloads

Private Access

Connect an authorized user to an authorized internal app

Zero Trust Control

- Application connection only, no network
- Same experience as "on premises"
- Eliminate attack surface
- App can live anywhere; DC, cloud, multi-location



Any user, Anytime, Anywhere

#ZeroTrustAccess



“The internet becomes the new corporate network.”

- The risk to the Council is lowered
- Reliability is increased
- Costs is reduced
- The change makes the Council more agile.
- Easy to scale