

# Kartoza Desktop Strategy

A plan to normalise our work environment.



# Standardized Environments

Standardization: Simplifying Support & Enhancing Security



# Security and Compliance

Built-in Security: Compliance with  
Kartoza Standards

- KeePassXC
- Firewall
- VPN
- Disk encryption etc.

# Reducing Variability

Reducing Variability: Consistent  
Systems Across the Board



# Ease of Support

Streamlined Support for Remote Workforce

- Deploy fixes via GIT
- Direct machine access when needed
- Single support target

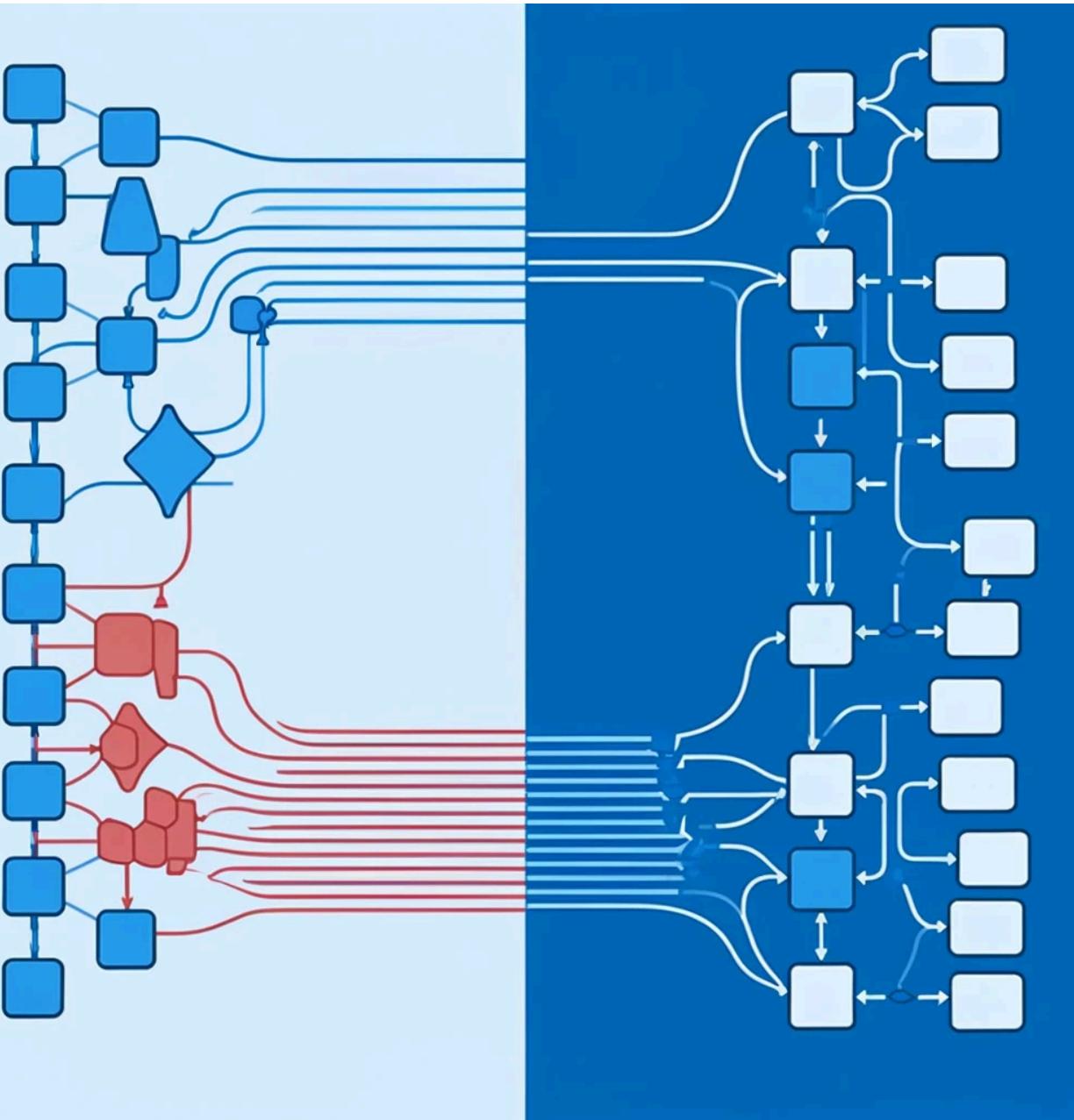


# Branding and Professionalism

Our branding will show on:

- Screen shares
- Training sessions
- Screen captures

Staff will sense they are 'at work'



# Efficiency

Efficient development env.

- Direct on NixOS, No VM needed for most cases
- 'Out the box' developer tools (docker, vm, shells, direnv)
- `nix.shell & shell.nix` is awesome!



# Community and Flexibility

We can establish an internal community around 'our' operating system.

Staff can participate in shaping the environment we all use.



## Misconceptions

NixOS is no harder to use than any other distro.

Most users will not even know they are using NixOS vs Ubuntu or another distro.



## Remote Management

Systems with ZFS can push encrypted backups to a remote NAS.

We can support users remotely via VPN and SSH.



NixOS at Kartoza

# Media Creation Experience

Optimized for Media: Create and Innovate Effortlessly



# Supporting Work Modalities

- Admin staff
- Developers
- GIS staff
- Devops
- Interns
- Training
- Media creation



# Conclusion

Another step in the growth and maturity of Kartoza following initiatives like:

- ERP and efficient admin
- Devops and carefully managed infrastructure
- Training strategy overhaul