



# DR Done Right

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# Push Button Disaster Recovery

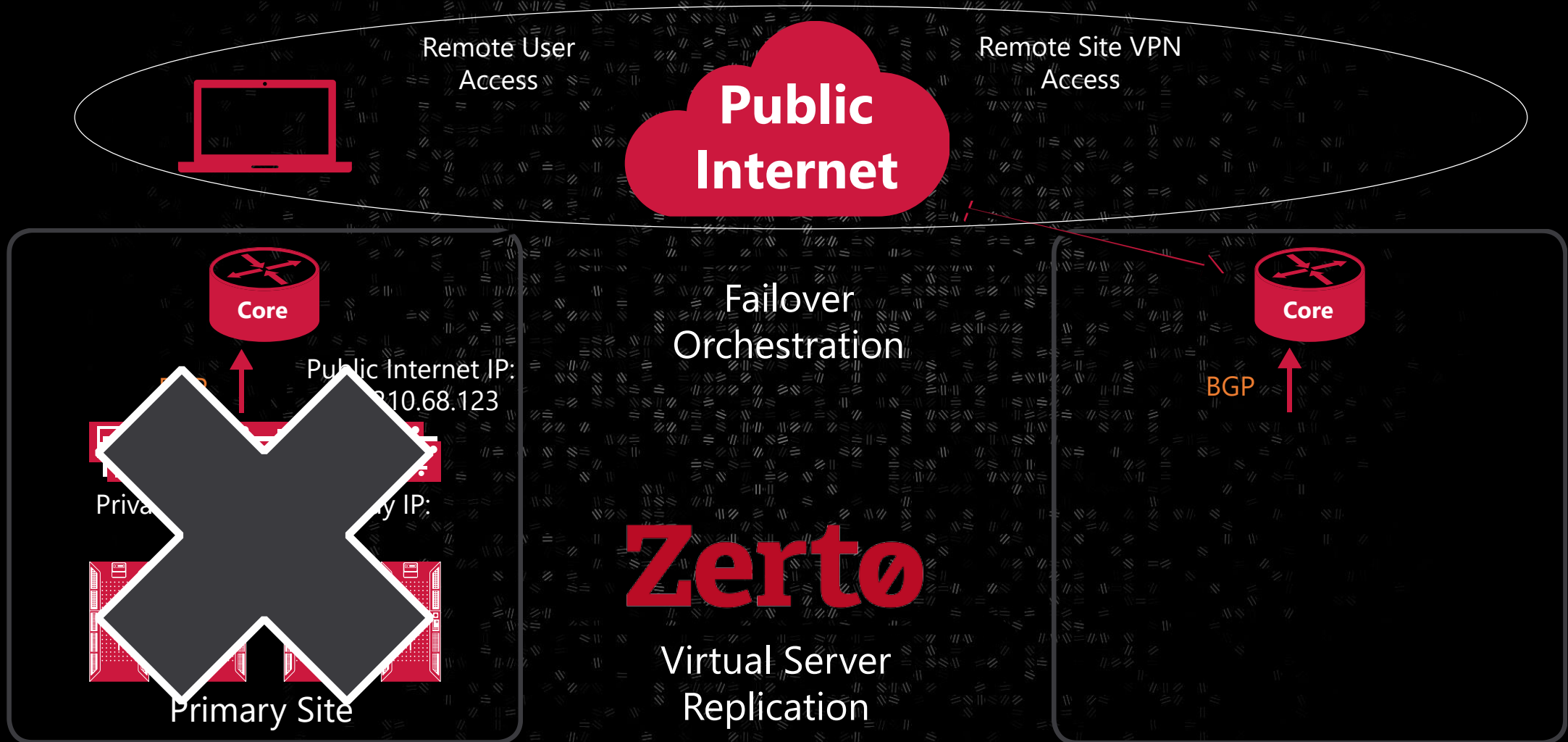
## What is it?

- ▶ Juniper vSRX Virtual Firewalls
- ▶ Virtual Servers hosted on VMware
- ▶ Replication with Zerto
- ▶ Replication Network – Private 100Gb or Public Internet
- ▶ IP Space Announced via BGP



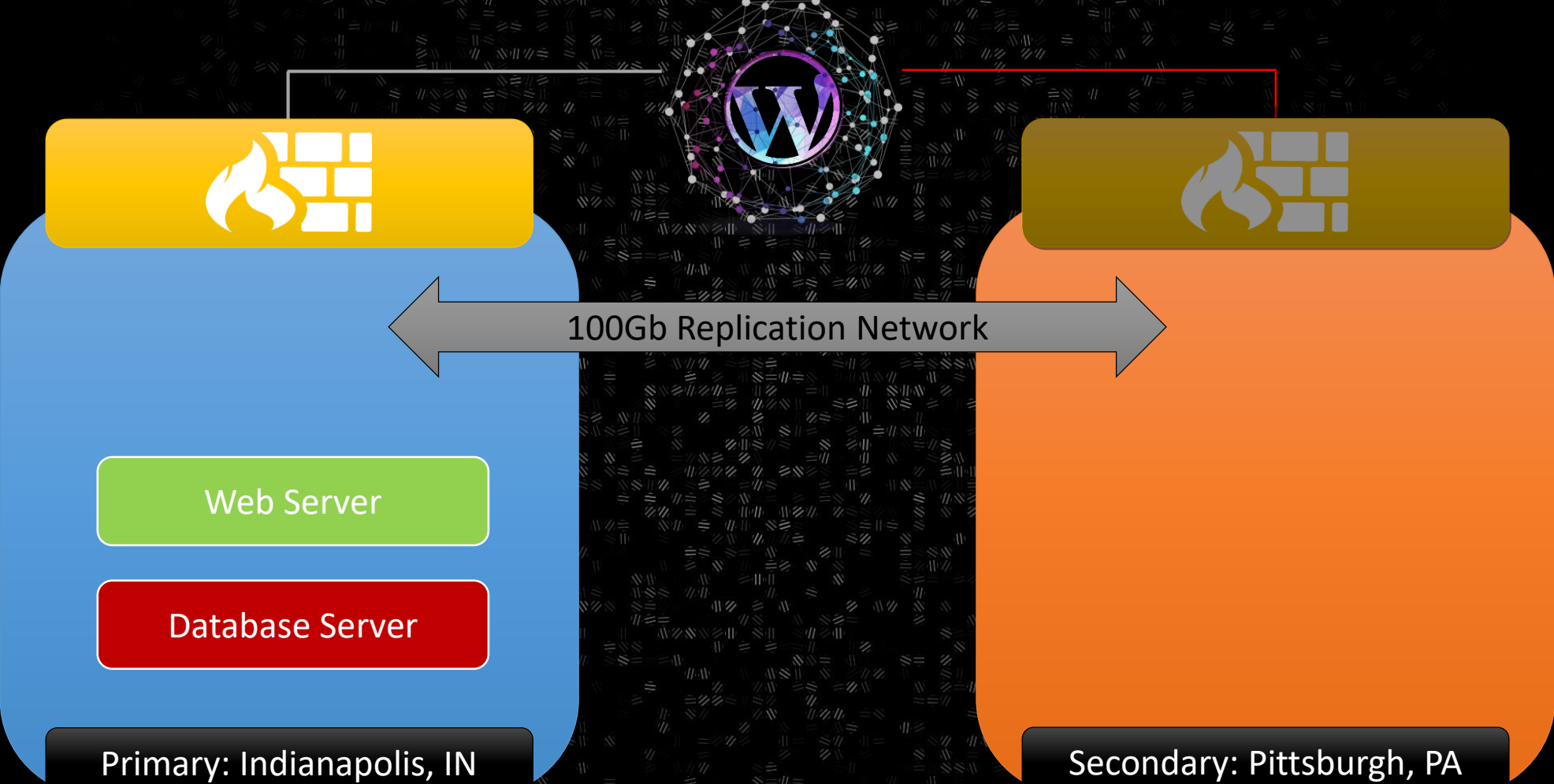


# Push Button DR Failover



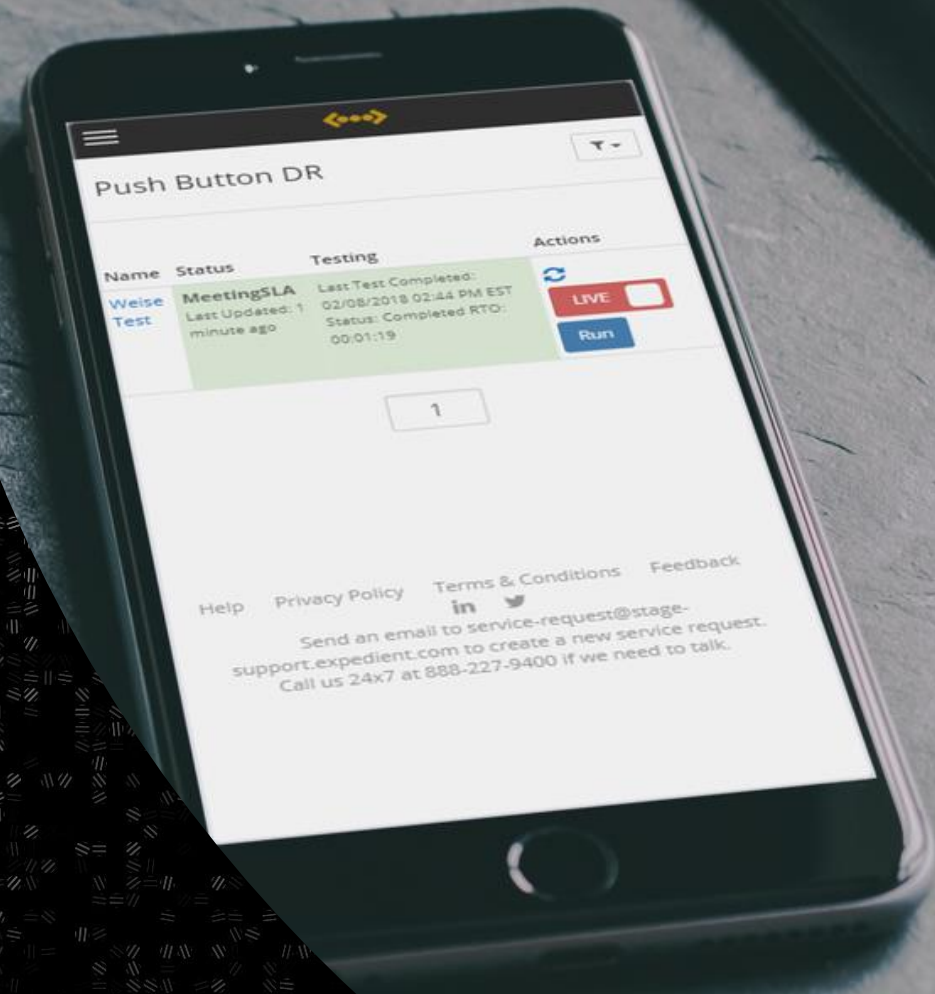


# Demo Environment



# API Calls used by SMC

ENDPOINT\_GET\_LOCALSITE /localsite  
ENDPOINT\_GET\_VPGS\_BY\_ZORG\_ID /vpgs?zorgIdentifier=%s  
ENDPOINT\_GET\_VPGS /vpgs  
ENDPOINT\_GET\_PEERSITES /peersites  
ENDPOINT\_GET\_PEERSITES\_BY\_ID /peersites/%s  
ENDPOINT\_GET\_ZORGS /zorgs  
ENDPOINT\_GET\_ZORGS\_BY\_ID /zorgs/%s  
ENDPOINT\_POST\_START\_SESSION /session/add  
ENDPOINT\_POST\_FAILOVER /vpgs/%s/Failover  
ENDPOINT\_POST\_FAILOVER\_TEST /vpgs/%s/FailoverTest  
ENDPOINT\_POST\_FAILOVER\_TEST\_STOP /vpgs/%s/FailoverTestStop  
ENDPOINT\_GET\_VPGS\_BY\_ID /vpgs/%s'  
ENDPOINT\_GET\_VMS\_BY\_VPG\_NAME /vms?vpgName=%s  
ENDPOINT\_GET\_TASKS /tasks  
ENDPOINT\_GET\_TASKS\_BY\_ID /tasks/%s





DEMO TIME!



# Benefits of Push Button DR

## Public IP Subnet Fails Over

- ▶ Public IPs stay the same – Applications keep running without DNS changes
- ▶ VPN endpoint IP stays the same

## Network Configuration Consistency

- ▶ Only one firewall/load balancer/SSL VPN to maintain, no need for separate primary and secondary devices
- ▶ Manual configuration changes not required after failover
- ▶ All rules/policies/VPN tunnels/NATs remain the same after failover and scheduled failback

## Lower Recovery Time Objective(RTO) – From Hours to Minutes

Report real RTO and RPO



# QUESTIONS?

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