



Making Networks Hard to Fail And Easy to Recover

How Gen 3 Out-of-Band and Isolation Bring Resilience to IT

The ZPE Systems Journey **la legrand** Acquired by Adding Resilience from the Data Center to the Edge, for Hyperscalers, Legrand SMBs, and everyone in between. **COMCAST 450+ Customers Globally Across all Industries Bloomberg** PURE STORAGE® Helsana digicert VIRGINIA TECH Google LIVING **Uber** SPACES 2021 300 customers ebay **///** paloalto[®] VISA 2020 2013 200 customers Founded in Silicon Valley 2019 pandora 100 customers 2019 2018 Mercedes-Benz 2015 j)(i zpecloud By customer demand, introduced Gen 3 Serial Console Nodegrid Net SR

A brand of legrand

Life as an IT Admin



	Outcome	Challenges	Gaps
0-0	Day Zero Installation Day Bring Sites up quickly	"How much time will this take?"	Lack of Staff
		"How do I bring up a new site with less staff and cost"	83% understaffed

Life as an IT Admin



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	Day Two Ongoing Operations Keep Everything Running	"Will this change break the system?" "How do I Eliminate configuration drift?"	Lack of Confidence 320+ days to patch

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?	Doomsday Unplanned Outages Minimize damage and downtime	"How fast can I recover?" "How can I quickly rebuild my Infrastructure?"	Lack of Recovery Capability \$5.04M+ in damages per instance

Traditional Way To Manage





IT Admin

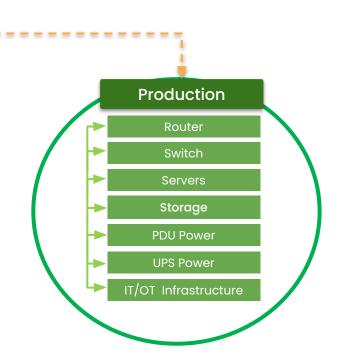
Gaps

Management plane goes down when primary network goes down

No way to recover failed devices

Fragile security posture

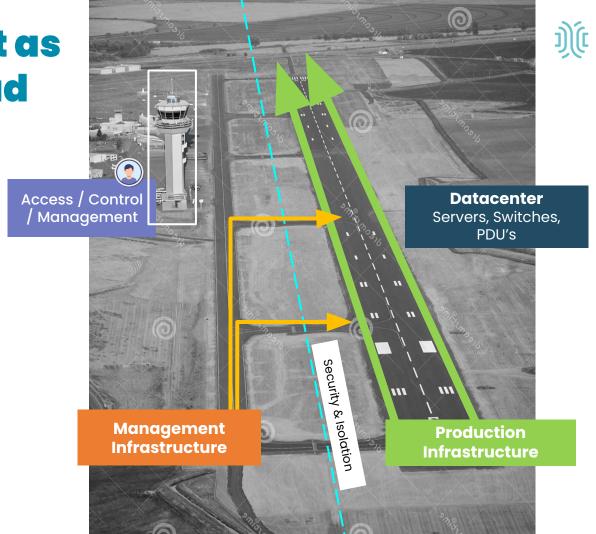
Easy to fail but hard to recover!



Same Concept as an Access Road

Think of the **Isolated Management Infrastructure (IMI)** as an access road.

It is your direct line of access to the **Production Infrastructure** should you need it.



Isolated Management Infrastructure (IMI)





Admin

Advantages

Isolated

Independent of production

Dedicated

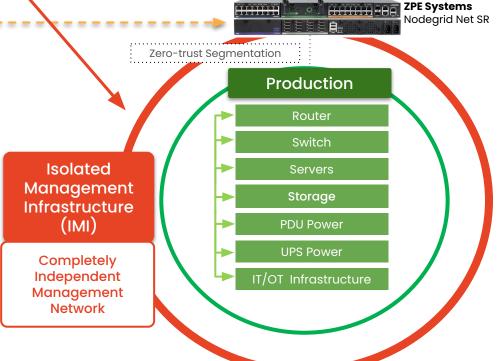
For management only

Secure

Zero-trust design

Always Available

Multiple WAN Links



IMI is Recommended by...





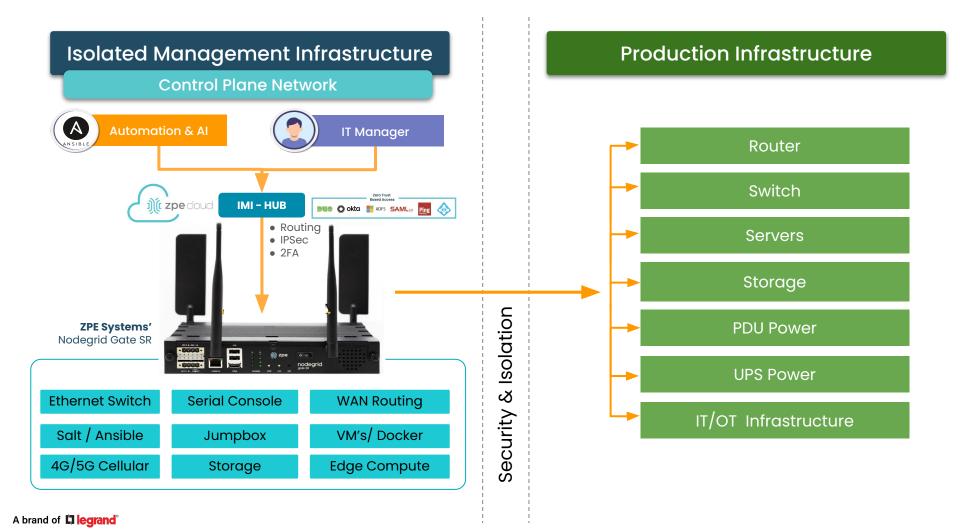


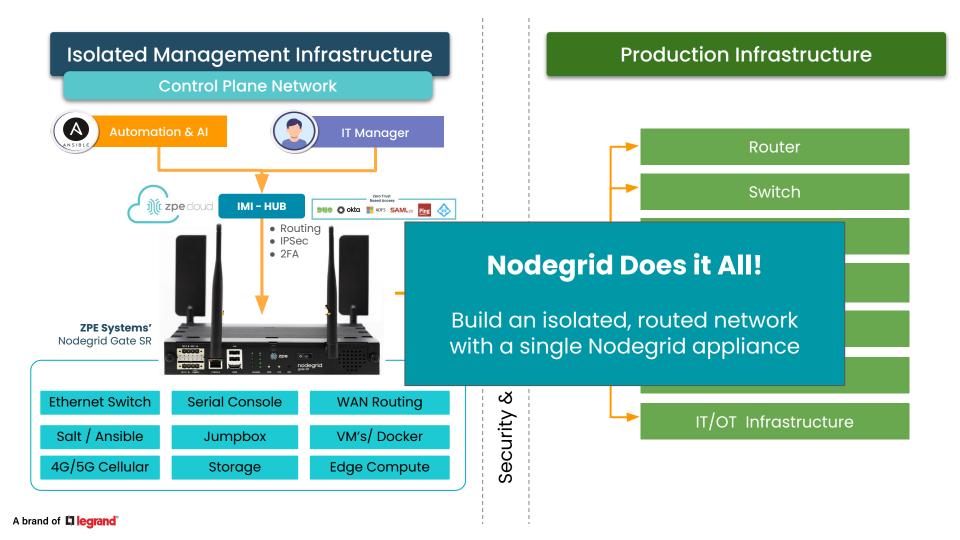












Day Zero, Day Two, Doomsday



Initial Deployment



40+ new stores to open

Only 3 IT staff

Opening a new store every other week

Avoiding truck roll, Reducing costs, \$75,000+ per year

Features Used:

Modular hardware with LTE, Serial, Storage, Fiber Connectivity, Compute

Automation

ZPE Cloud

Day Zero, Day Two, Doomsday





Initial Deployment	Ongoing Operations
A F T F	
40+ new stores to open Only 3 IT staff Opening a new store every other week	250 datacenters 7,000+ devices
Avoiding truck roll, Reducing costs, \$75,000+ per year	Consistent, faster, automated deployments & patching No additional manpower
Features Used:	Features Used:
Modular hardware with LTE, Serial, Storage, Fiber Connectivity, Compute Automation ZPE Cloud	Ansible Automation Auto discovery Clustering Docker/VM Virtualization

Day Zero, Day Two, Doomsday



Day Zero



Day Two



Initial Deployment	Ongoing Operations	Recovery and Resurrection
LIVING SPACES		
40+ new stores to open Only 3 IT staff Opening a new store every other week	250 datacenters 7,000+ devices	Lack of resilient recovery infrastructure Quick recovery is challenging in 100 remote locations
Avoiding truck roll, Reducing costs, \$75,000+ per year	Consistent, faster, automated deployments & patching No additional manpower	Quick datacenter rebuild Ransomware recovery Minimize business disruption
Features Used:	Features Used:	Features Used:
Modular hardware with LTE, Serial, Storage, Fiber Connectivity, Compute Automation	Ansible Automation Auto discovery	ZPE Cloud 4G/5G
ZPE Cloud	Clustering Docker/VM Virtualization	Docker/VM Virtualization Built Isolated Recovery Environment (IRE)

You Need Gen 3 Out-of-Band Management Because:



Gen 3 OOB Reduces Risk, Saves Money, and Saves Time

- Distributed Branch Office and Plant Transformation
- SD-WAN / NGFW
- Simplify up staging accelerate Colocation deployment
- loT/OT
- EoL of existing serial consoles Avocent ACS, Opengear IM
- Automated firmware updates and patching

Building an IMI with ZPE is a lot easier than you think!

ZPE for Hardware + Software + Cloud + Services

