

Hosted Virtualization by
Cloud SOC (Security
Operation Centre)

version: 1.27
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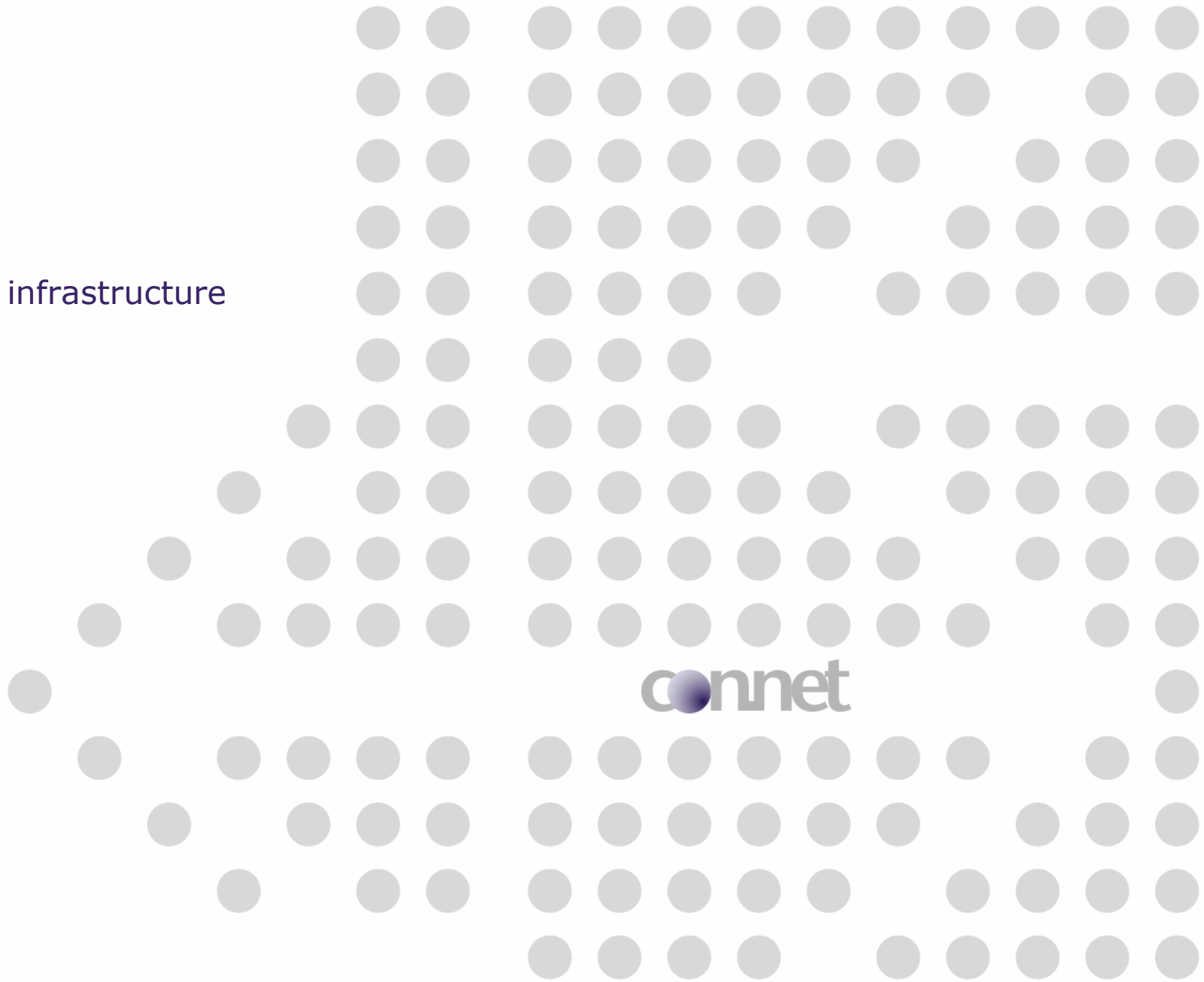
agenda

- i. infrastructure
- ii. hosted virtualization
- iii. case studies
- iv. conclusion
- v. demo

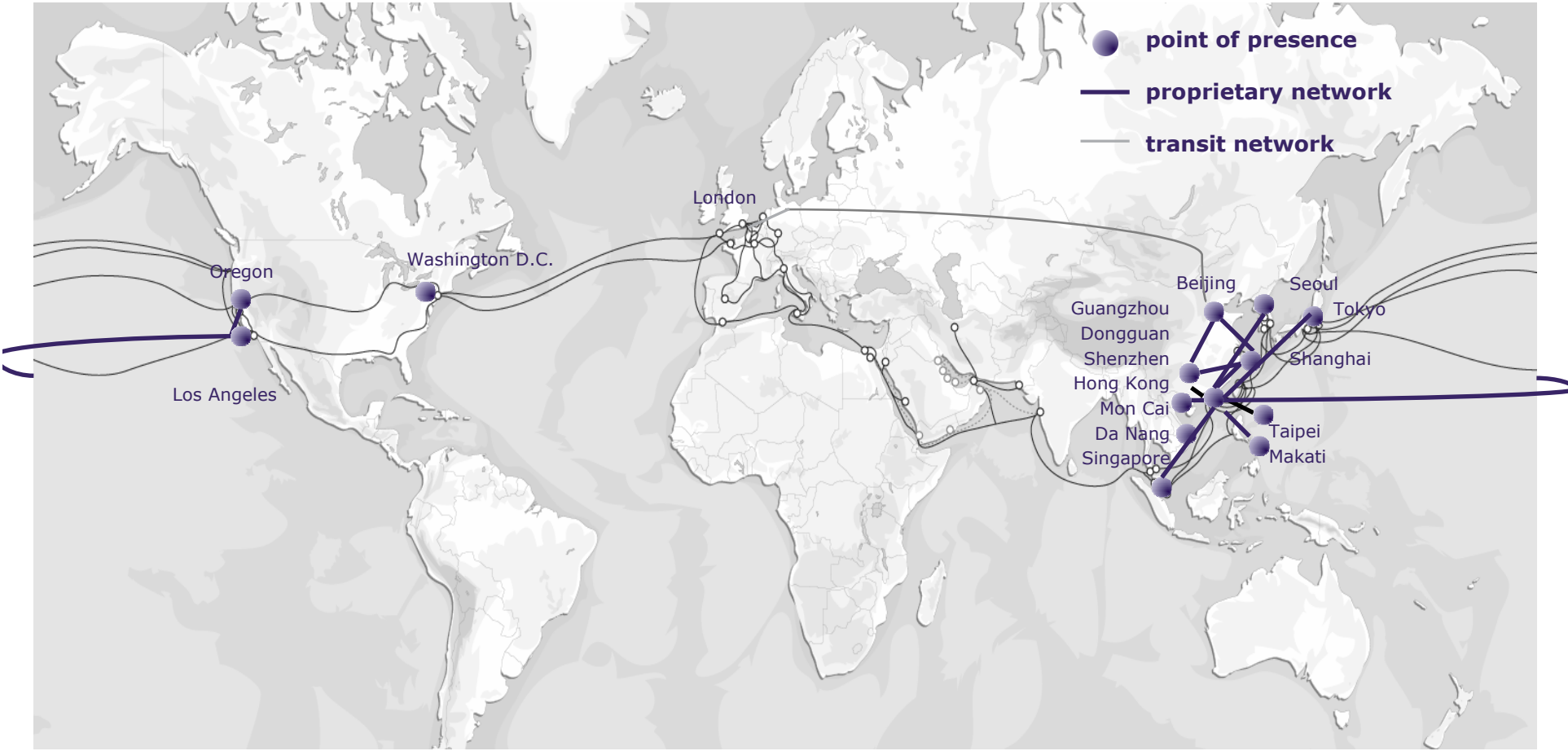


infrastructure

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around the globe



Security Operation Centers (SOCs)

From 2004 Feb,  web filtering subscription services, enabling corporate to take control and management

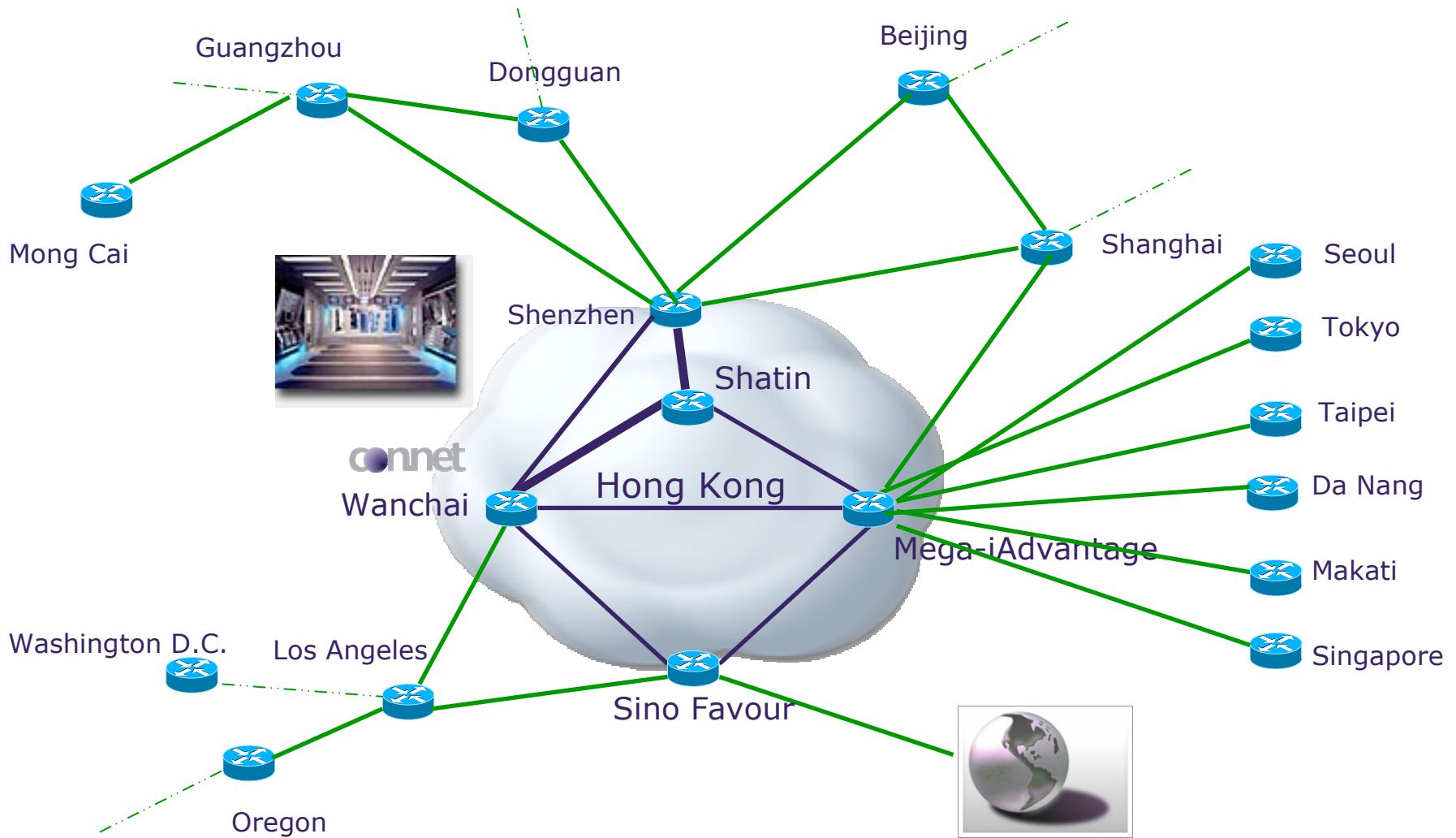


Asia Pacific



- Access POP
- proprietary network
- transit network

Hong Kong – Asia Pacific hub

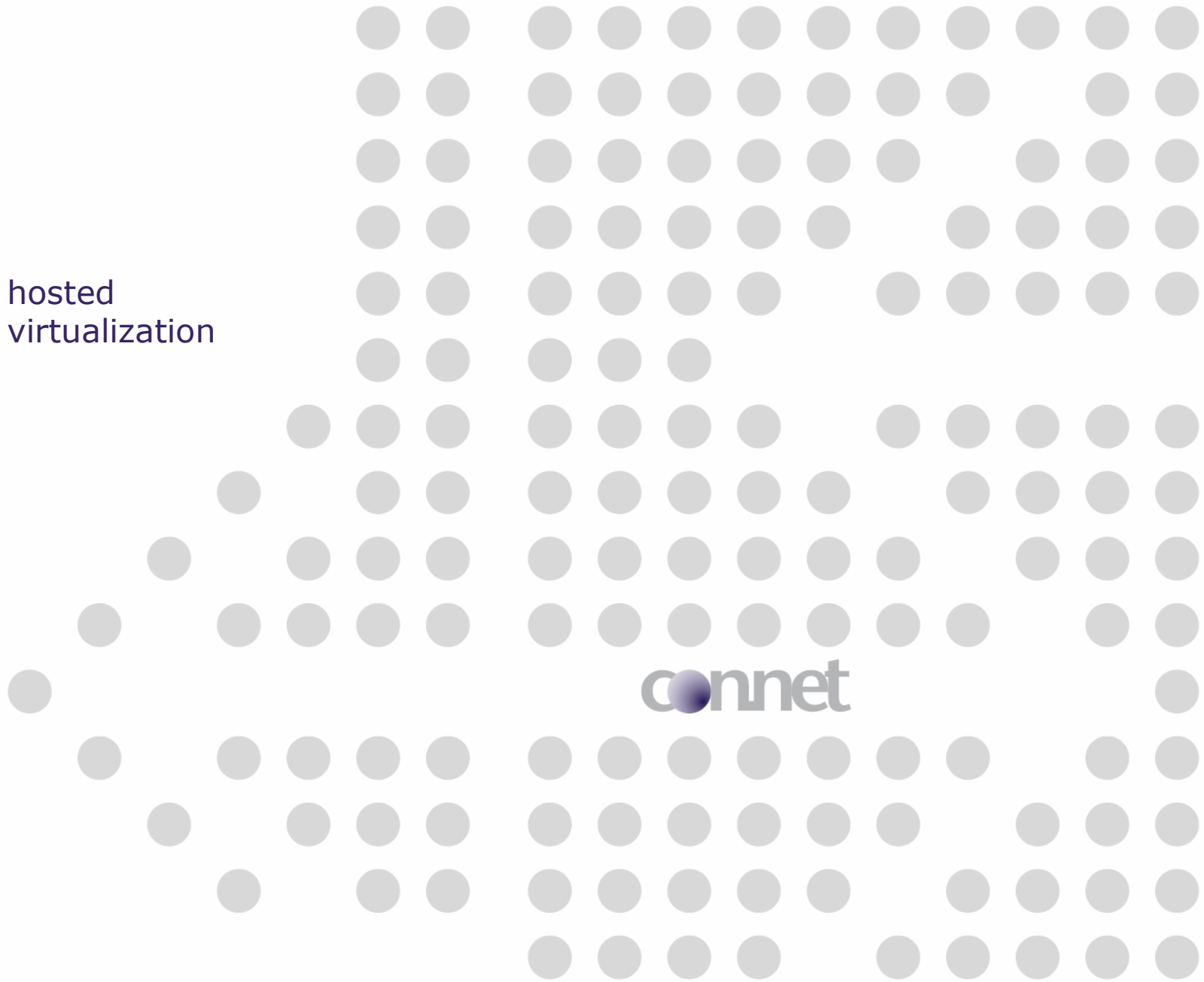


transit carriers

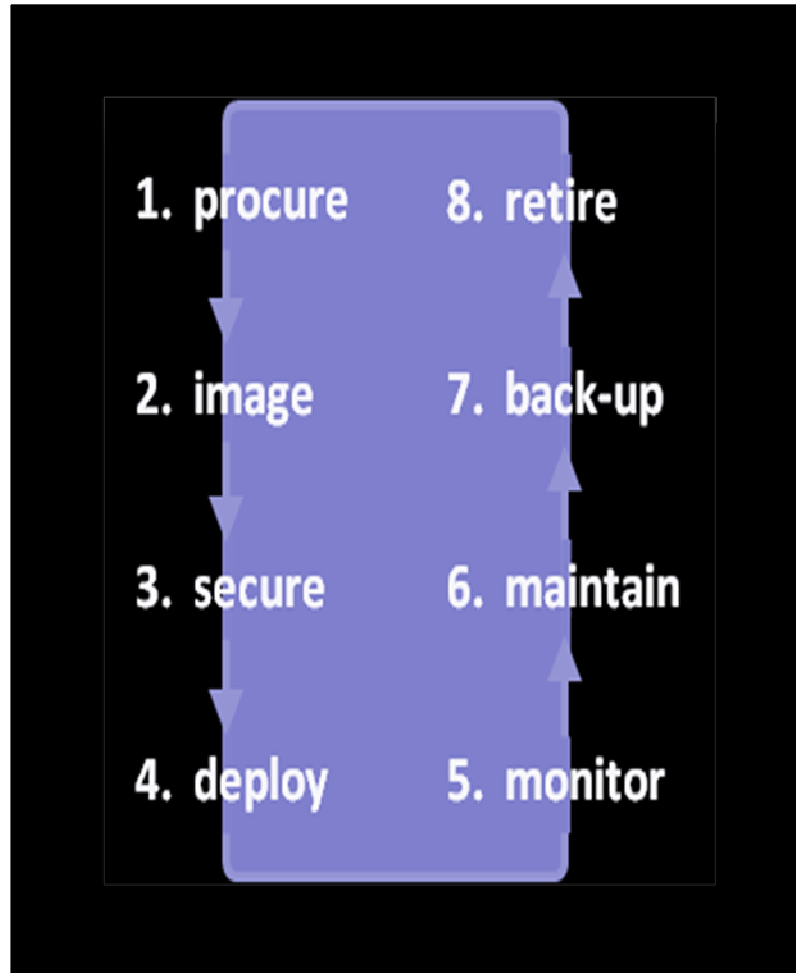


hosted
virtualization

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Traditional Desktop Deployment

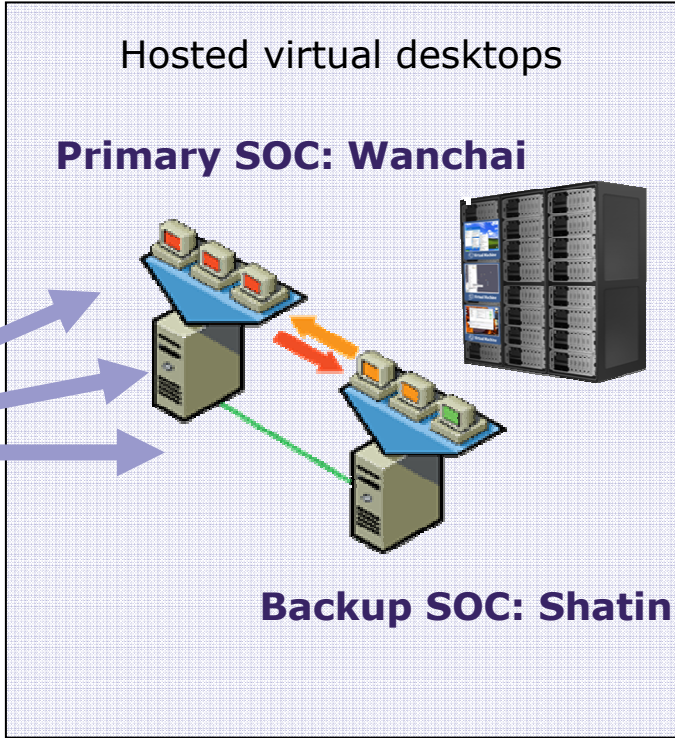
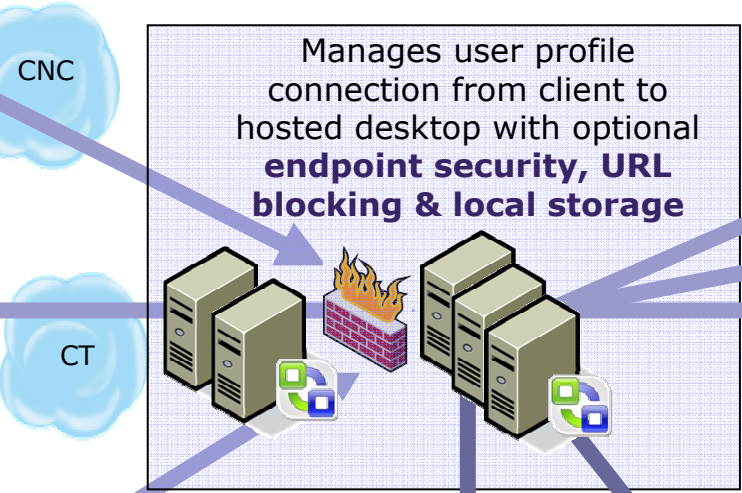
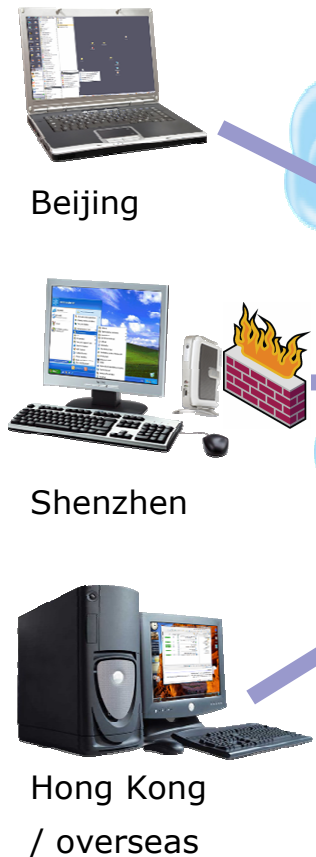


- patch & upgrade
- Back-up – encrypt & secure
- Refresh hardware every 3 years
- Notebook theft

Network Topology

IDNS (Intelligent Domain Name System) & MPLS network

resolve client's IP



AD (Active Directory)

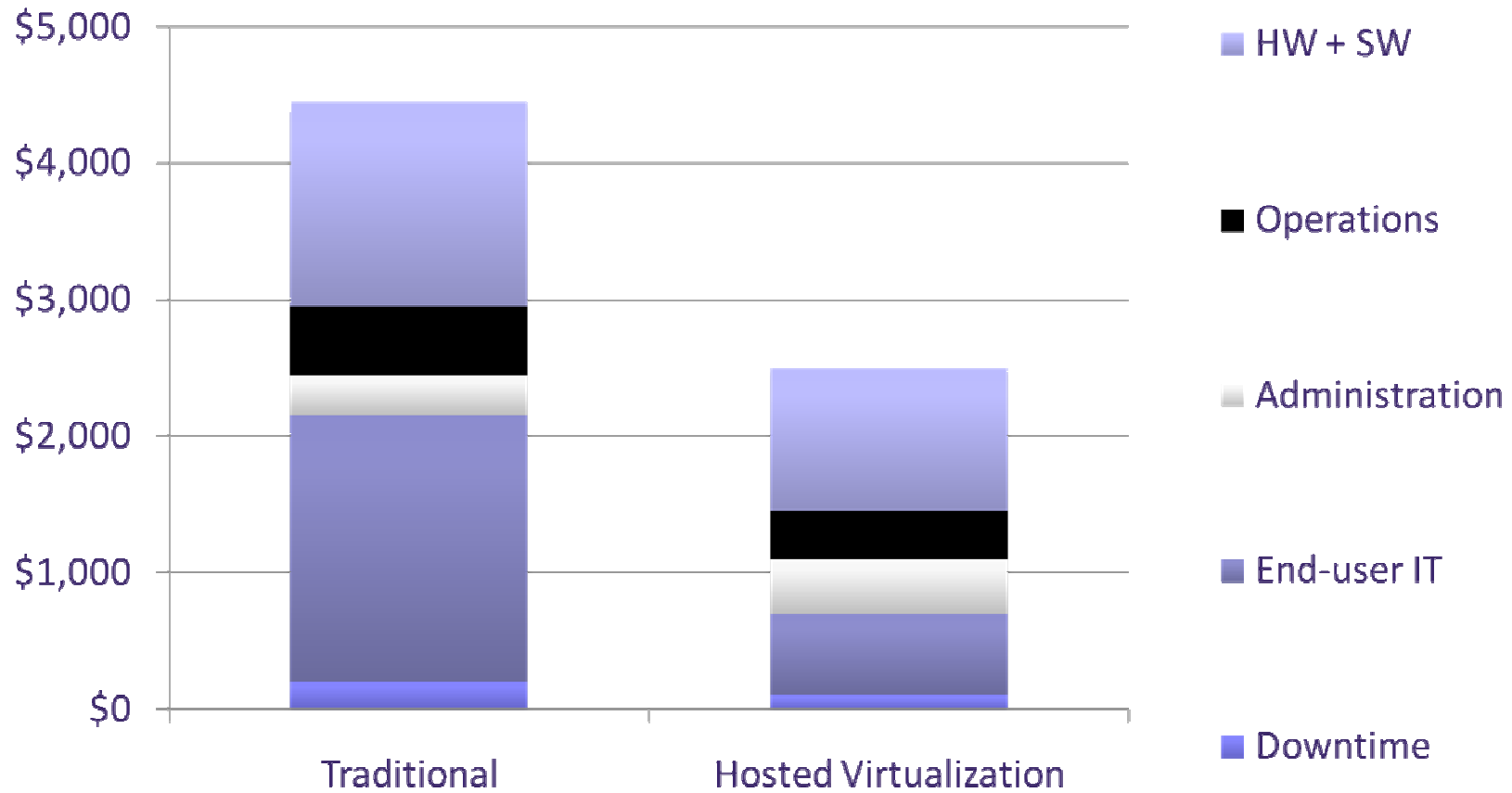
User authentication (Retain existing user accounts and policies)

SAN (Storage Area Network)

Include backup snapshot, can restore within an hour

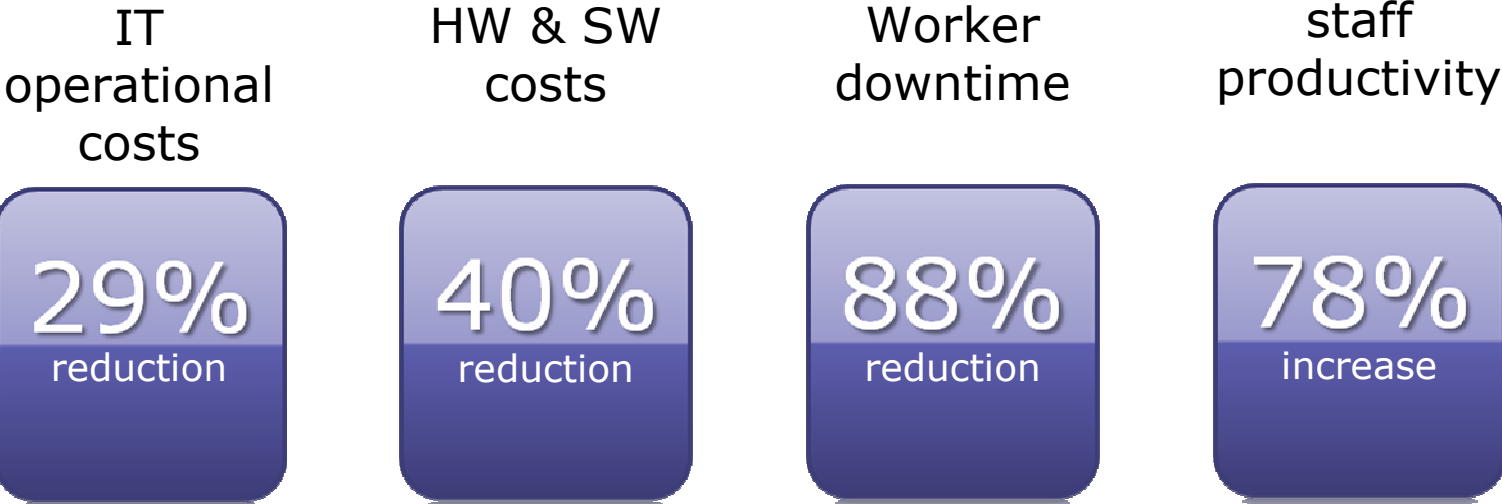
RSA SecurID
Optional integration

TCO Model



Source: Gartner, IDC

Traditional vs. Hosted Virtualization



Source: Gartner, IDC

TCO Comparison: 3 years

	100 physical desktops	100 Hosted Virtual Desktops
Desktop Infrastructure	391,000	395,200 x 3
Client hardware	215,000	
Client software	323,000	
Desktop Deployment & Administration	619,000 x 3	200,000 x 3
Application Administration (backup, security)	582,000 x 3	135,000 x 3
Power and Cooling	216,000 x 3	27,000 x 3
Downtime cost	90,000 x 3	30,000 x 3
Cost per Device per Year	18,167	7,872

Initial Benefit: Consolidation

	before	after
servers	80	8
storage	27TB DAS	14TB SAN & NAS
network	300 cables/ports	30 cables/port
facilities	10 server racks 20 power whips	3 server racks 6 power whips
PC provisioning & application deployment	4-10 hrs	30 mins
Backup restoring	2-4 hrs	30 mins to 1 hr
Replaceable PC	0	20
Mobile workforce	5	all

Direct & Indirect Benefits

Direct Benefits

Desktop Administration

timeframe or expiration: limited contract period for consultant.
users can buy their own PC (Non-enterprise-owned)

Application Management

Power and Cooling

99.99% SLA

Indirect Benefits

Security

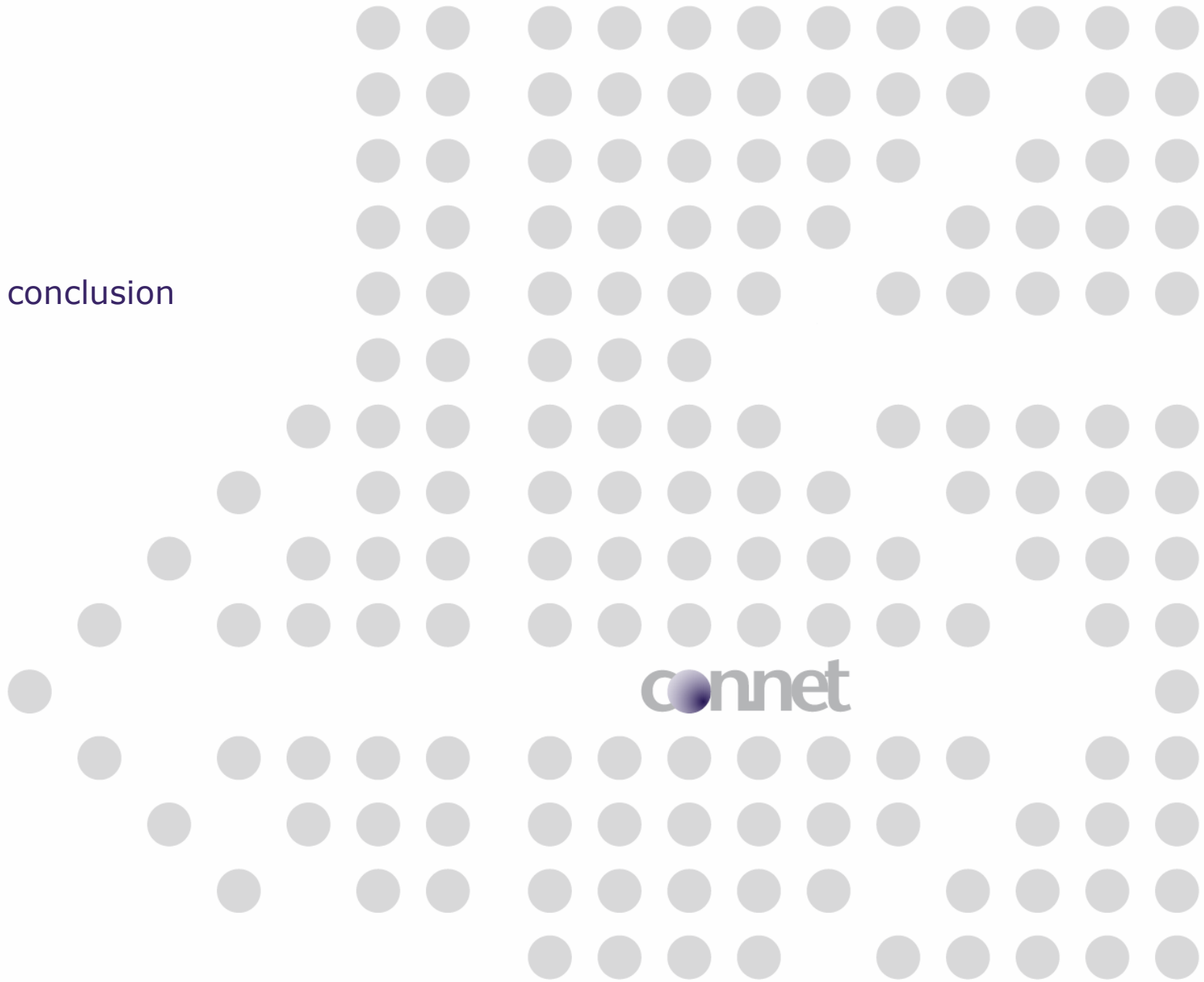
User Productivity

completely location & device-independent
No workforce disruption even changing workforce / laptop theft

Extending PC life

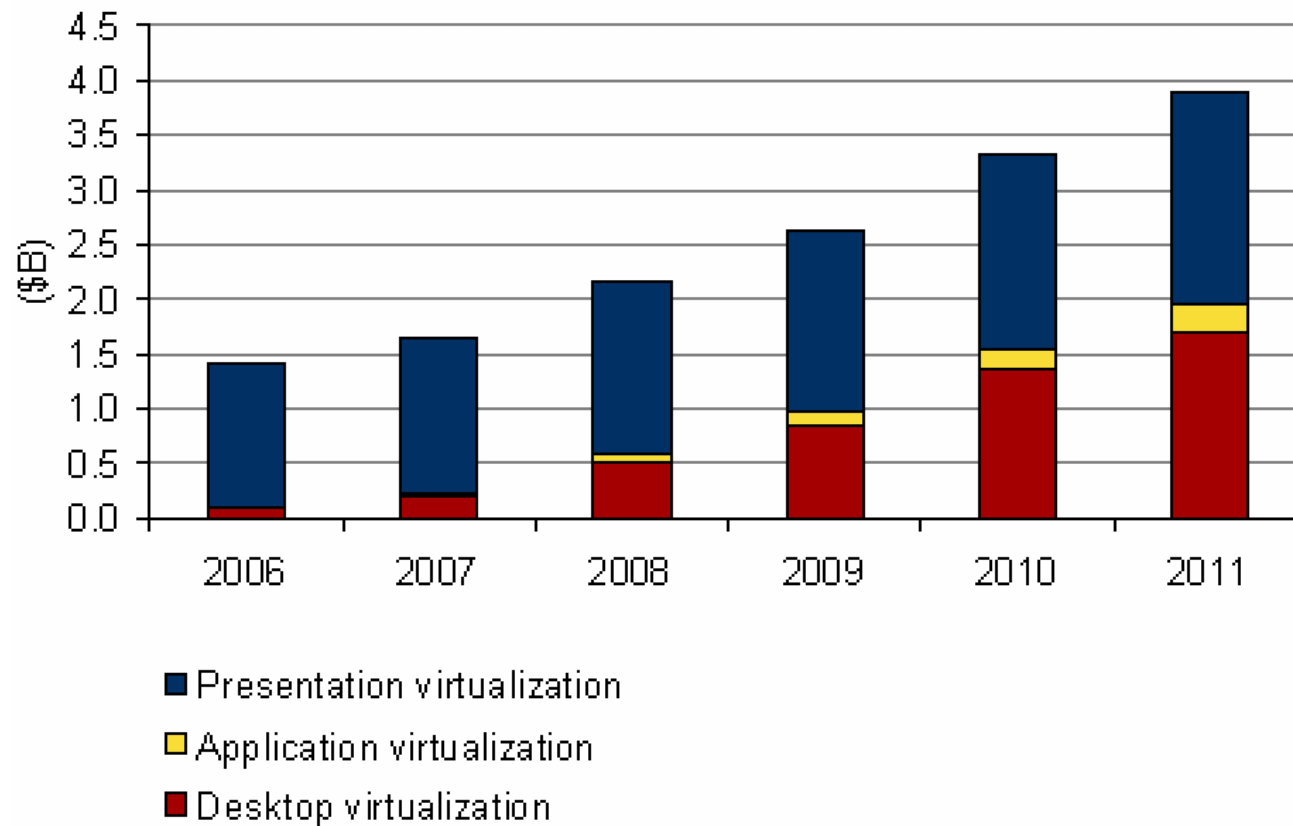
conclusion

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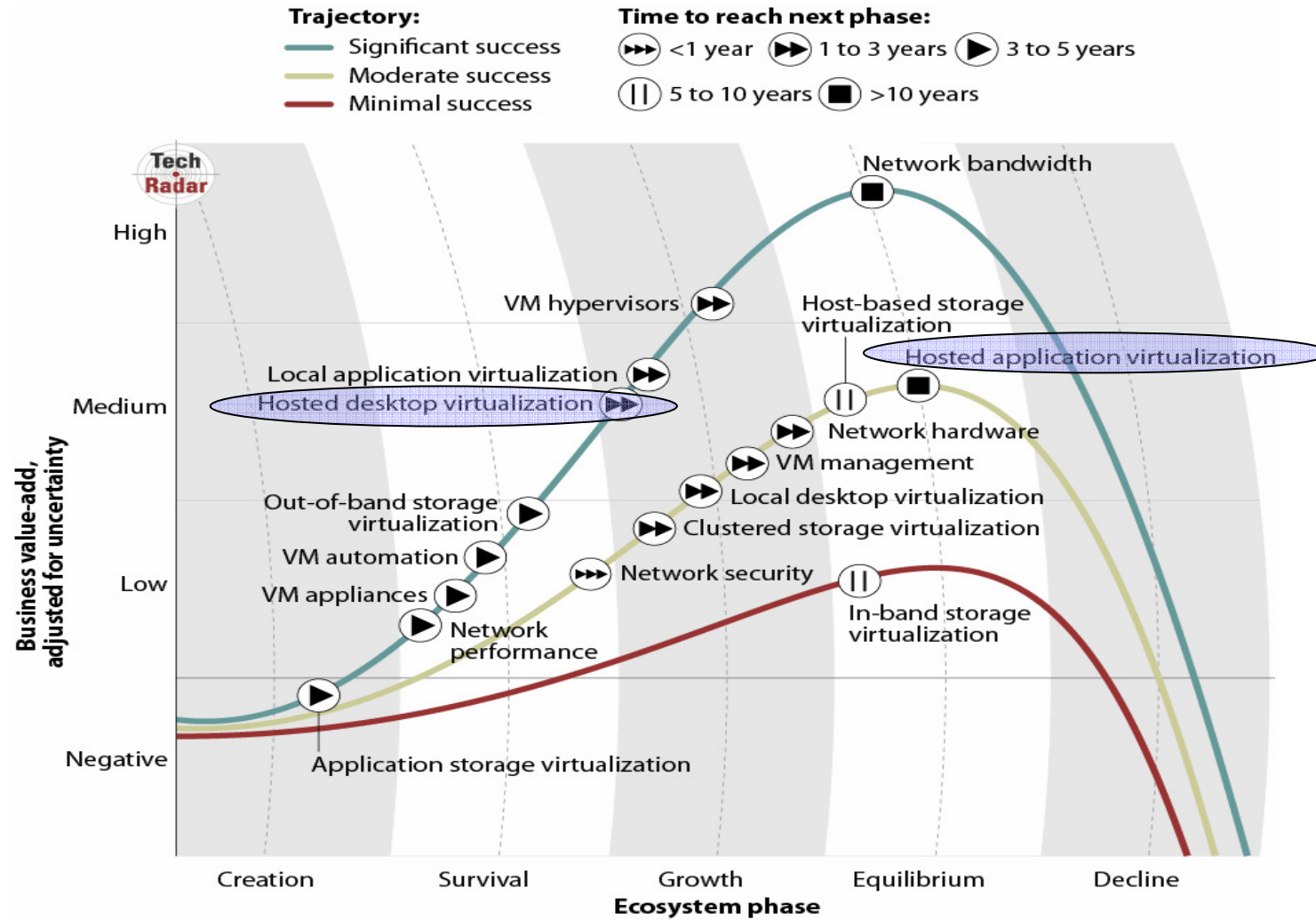
NOW is the time

Software Revenue for the Worldwide Desktop Virtualisation Market, 2006–2011 (\$B)



Source: IDC, 2008

NOW is the time



Consultancy

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Consumerization

product development

Continuity

Convergence