Practical Considerations for DNSSEC Automation

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DNSSEC Deployment Challenges



Complexity

Education, development, QA required

Security

- General purpose OS cannot protect keys
- Crypto cards are complicated
- Offline keys labor intensive

Auditability

- What zones are signed?
- What keys are about to expire?

Scalability

- Signing performance with large or numerous zones
- Offline key management
- Meeting update interval SLAs



Early adopters invest 4-6+ man-months to deploy, ½ full time person to maintain

Secure64 DNS Signer



DNSSEC Made Simple and SecureSimple

 Automated key management, rollover, signing, re-signing

Secure

- Malware-immune OS
- FIPS 140-2 compliant (pending)
- Signing keys are never in the clear

Auditable

Key and zone status reports, alerts

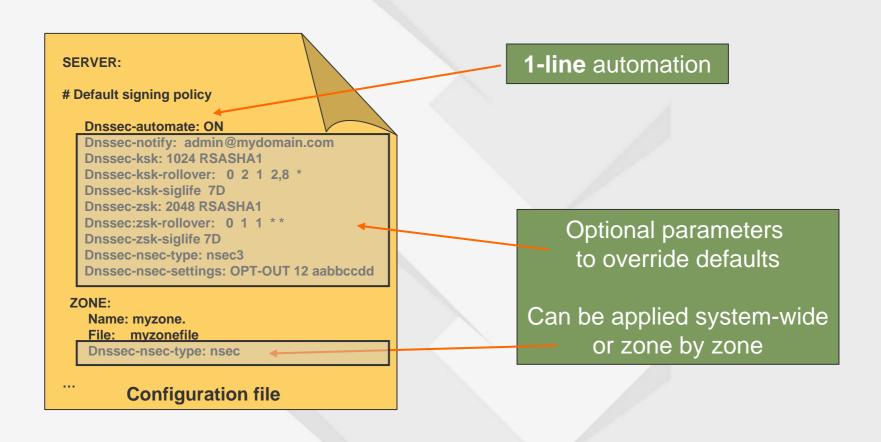
Scalable

- High performance signing algorithms
- Incremental zone signing



Secure64 DNS Signer makes it easy to deploy DNSSEC correctly and securely

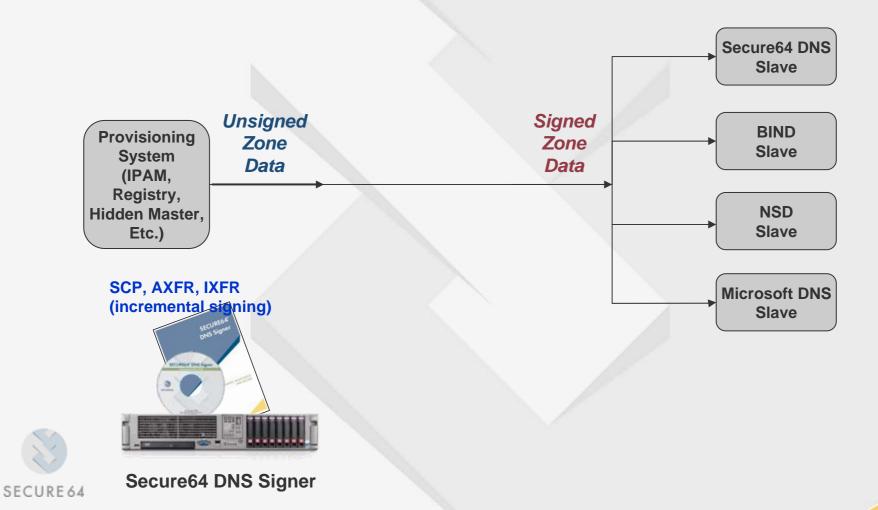
Simple to Configure



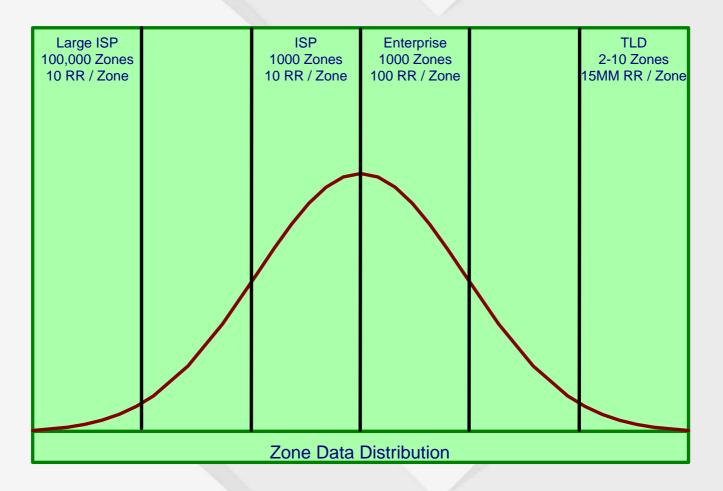


DNSSEC can be deployed in days, not months

Compatible With Current Infrastructure



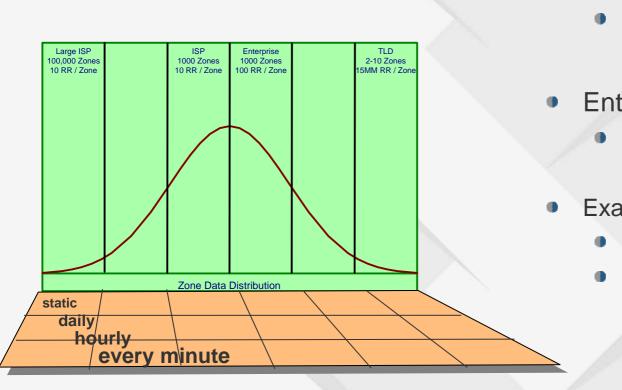
The Design Challenge: Who Is The End User?





Design for the extremes and the normal cases will take care of themselves

Designing for Dynamic Data



- ISP's & TLD's:
 - New customers mean new delegations
- Enterprise:
 - Active Directory & DHCP
- Example:
 - TLD with millions of RR's
 - Updates every minute

Thank You!



For more information

Visit our website

www.secure64.com

View our videos

Search for Secure64 on YouTube "Protecting your Business with DNSSEC" "DNSSEC Deployment Options"

Contact us

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