



DNSSEC Status Report

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SAC026 Commitments: SSAC

- Review the readiness and completeness of DNSSEC by evaluating the following issues:
 - Protocol completeness.
 - The key rollover process.
 - Proposals for trust anchor repositories, including evaluation of DLV and other specific proposals.
 - Implementation and deployment testing, including dedicated test servers with signed (root and TLD) zones, trouble and performance reporting operation.
 - Performance and error analysis, establishing metrics for success.
 - End User Application development.
 - Availability of DNSSEC on commonly used DNS server platforms.
- Report to the community

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- Review the readiness and completeness of DNSSEC by evaluating the following issues:
 - Protocol completeness
 - **Not yet started**
 - The key rollover process
 - **Process is defined; RFC published**
 - Proposals for trust anchor repositories, including evaluation of DLV and other specific proposals
 - **TAR white paper published; discussion in progress**
 - Implementation and deployment testing, including dedicated test servers with signed (root and TLD) zones, trouble and performance reporting operation
 - **Not yet started**

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- Review the readiness and completeness of DNSSEC by evaluating the following issues:
 - ...
 - Performance and error analysis, establishing metrics for success
 - Started; no report
 - End User Application development
 - Some started; slow
 - Availability of DNSSEC on commonly used DNS server platforms
 - Survey ongoing; early results in SAC030
 - <http://www.icann.org/committees/security/sac030.htm>
- Report to the community
 - Target for November (Cairo) meeting

Company (Developer)	Product and Version	Supports DNSSEC RFCs 4033-4035 (Survey Question 1)					Support NSEC3 (RFC5155) (Survey Question 2)				
		Today					Under development	No plans to implement	Today	Under development	No plans to implement
		YES (✓) or NO (✗)	Supports recursion (accept queries with RD=1)	Performs DNSSEC validation	Can act as an authority server	Can host a signed zone and return DNSSEC metadata when requested via DO bit					
Cisco	Cisco Network Registrar	✗	✓		✓			✗		✗	
Infoblox	DNSSone	✗					☹	☹	☹	☹	
InfoWeapons	SolidDNS 3.0	✗				Q4 2008			Q4 2008		
INS	Sapphire 3.0	✓	✓	✓	✓	✓			✓		
INS	IPControl 3.0	✓	✓	✓	✓	✓			✓		
ISC	BIND 9.0 (all currently supported versions)	✓	✓	✓	✓	✓			Q4 2008		
Microsoft	Windows Server 2008	✗					☹		☹		
Neustar	MetalP 5.7 Build 6067	✗	✓		✓			✗		✗	
Nixu	NameSurfer Suite 6.1.2 (proprietary NS)	✓			✓	✓			Q4 2008		
Nixu	NameSurfer Suite 6.1.2 (Bind 9.3 included)	✓	✓	✓	✓	✓			Q4 2008		
Nlnet Labs	Name Server Daemon (NSD 3.08)	✓			✓	✓			✓		
Nlnet Labs	Unbound 1.0	✓	✓	✓					✓		
Nominum	ANS 2.8.2, CNS 3.0.3, Vantio 3.3	✓	✓	✓	✓	✓			✓		
Secure64	Secure64 DNS	✓			✓	✓			✓		
Simple DNS	SimpleDNS Plus 5.0	✗	✓		✓		Jun 2008			✗	

KEY ✓ Supported ✗ Not supported ☹ No answer provided