



DNSSEC – Go Daddy Implementation

**ICANN Announcement
June 2010**

GoDaddy.com Implements DNSSEC



"DNSSEC is an important step toward making the Internet infrastructure more secure. DNSSEC Implementation is the right thing to do for our customers and the Internet community."

Go Daddy President and COO Warren Adelman

Introducing GoDaddy.com – DNSSEC



STRATEGY:

- 1. FIRST - Provide base DNSSEC services for early adopters**
- 2. NEXT - Build out a mature DNSSEC infrastructure while maintaining integrity of current DNS systems**

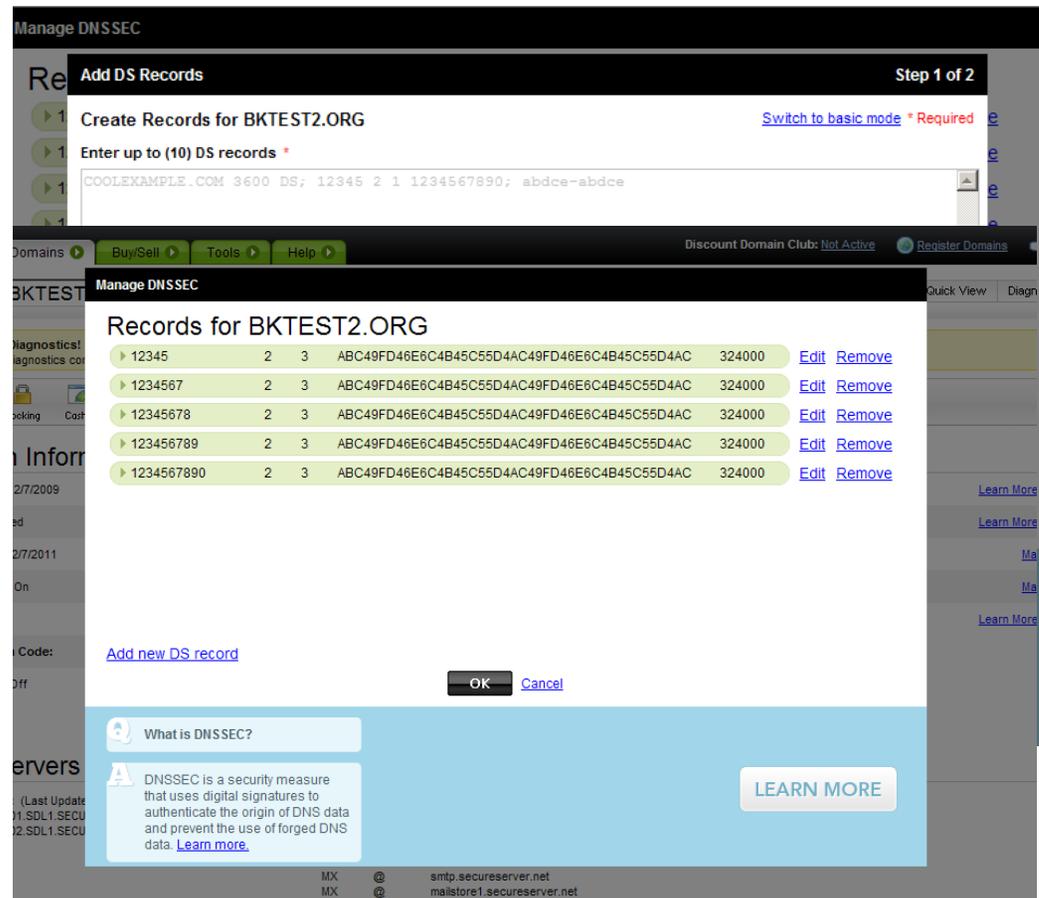
Go Daddy's DNSSEC Multi-Phased Approach



- **Phase I** - creates systems to forward DNSSEC records to supporting registries
 - Phase IA** - upgrades Go Daddy Infrastructure & software that supports DNSSEC
- **Phase II** - offers DNSSEC Managed Services to Go Daddy's 8 million customers
- **Phase III & Beyond** – provides key management systems for our customers & the registries

Phase I: DNSSEC Enabled Domain Registration

- Free Service for Go Daddy Customers
- Customer Provides:
 - DNS Servers
 - DS Records:
 - Signs Zone
 - Generates Keys
 - Maintains Keys



The screenshot shows the GoDaddy Manage DNSSEC interface. It features a 'Manage DNSSEC' header and a 'Step 1 of 2' progress indicator. The main content area is titled 'Add DS Records' and 'Create Records for BKTEST2.ORG'. It includes a text input field for entering up to 10 DS records, with a sample entry: 'COOLEXAMPLE.COM 3600 DS; 12345 2 1 1234567890; abdce-abdce'. Below this is a table of records for BKTEST2.ORG, with columns for key ID, flags, algorithm, digest type, digest, and TTL. Each record has 'Edit' and 'Remove' links. At the bottom, there is a 'What is DNSSEC?' section with a 'LEARN MORE' button and a 'DNSSEC is a security measure...' text box. The interface also includes navigation links like 'Buy/Sell', 'Tools', and 'Help'.

Key ID	Flags	Algorithm	Digest Type	Digest	TTL	Actions
12345	2 3	ABC49FD46E6C4B45C55D4AC49FD46E6C4B45C55D4AC	324000			Edit Remove
1234567	2 3	ABC49FD46E6C4B45C55D4AC49FD46E6C4B45C55D4AC	324000			Edit Remove
12345678	2 3	ABC49FD46E6C4B45C55D4AC49FD46E6C4B45C55D4AC	324000			Edit Remove
123456789	2 3	ABC49FD46E6C4B45C55D4AC49FD46E6C4B45C55D4AC	324000			Edit Remove
1234567890	2 3	ABC49FD46E6C4B45C55D4AC49FD46E6C4B45C55D4AC	324000			Edit Remove

Phase I: DNSSEC Enabled Domain Registration



- Go Daddy Provides:
 - **Interface/Mgt tool**
 - **Store & Forward Utility**
 - Advance Copy & Paste w/ auto-format data entry
 - Simple form entry alternative
 - Data verification
 - Simple add/edit/remove

A screenshot of the "Manage DNSSEC" web interface. At the top, a yellow warning banner states: "You have un-submitted changes pending. Click OK to submit updates." Below this, the title "Records for COOLEXAMPLE.COM" is displayed. A table lists three DNSSEC records, each with a "Record ID", "Serial", "Algorithm", "Flags", and "Key Tag". The first and third records are highlighted in yellow, while the second is greyed out. Each record has "Edit" and "Remove" links. Below the table is a link for "Add new DS record". At the bottom of the interface, there is an "OK" button and a "Cancel" link. A light blue sidebar on the right contains a "What is DNSSEC?" section with a "LEARN MORE" button.

Record ID	Serial	Algorithm	Flags	Key Tag	Actions
3456000	12345	2	1	345678345678	Edit Remove
3456000	12345	2	1	345678345678	Undo Remove
3456000	12345	2	1	345678345678	Edit Remove

Phase II: Go Daddy-Managed DNSSEC Service



- “Set & Forget” DNSSEC Service
 - Customer Role:
 - Simply subscribe to DNSSEC Service
 - Go Daddy Provides:
 - Key generation
 - Key signing
 - Registering DS records w/ Registry
 - Key Maintenance/Rollover



- **DNSSEC Enable Domain Registration**
 - **.ORG availability; June 22, 2010**
 - **.US availability; June 22,2010**
 - **.EU availability; July 2010**
 - **Others as available**
- **Go Daddy Managed DNSSEC**
 - **Early Q4 2010**