DNSSEC lifecycle report

chatmemories.com

Time window
: earliest → now

Generated
: 2026-04-17T08:51:43.137179+00:00

Key directory
: `/mnt/bind/keys/chatmemories.com`

Summary

During the reported window 9 DNS observation(s).

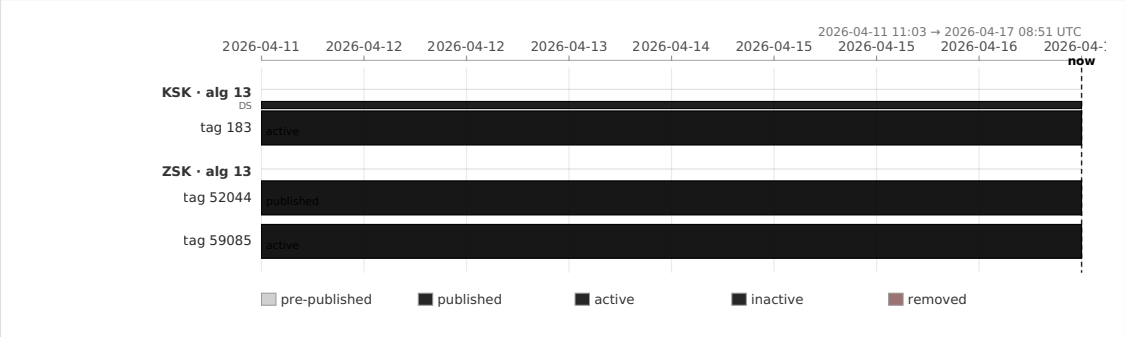
- Keys observed: 3
- Events recorded: 16
- State changes (state_file): 0
- State changes (rndc dnssec -status): 0
- DNS observations (zone + parent): 9
- iodyn-dnssec actions: 0

Key inventory

Tag	Role	Algorithm	Key id	First seen
183	KSK	13	`Kchatmemories.com.+013+00183`	2026-04-11T11:03:18Z
52044	ZSK	13	`Kchatmemories.com.+013+52044`	2026-04-11T11:03:18Z
59085	ZSK	13	`Kchatmemories.com.+013+59085`	2026-04-11T11:03:18Z

Rollover view

Every observed key on a time axis, grouped by `(role, algorithm)`, with phase-coloured bars (pre-published / published / active / retired / removed). A thin DS overlay stripe above each KSK row shows when the parent-side chain of trust was actually complete, which is often when the interesting DNSSEC stories happen. If two algorithms are simultaneously active, the overlap region is highlighted behind their bars.



Calendar view

Monthly calendars covering the reported window. Each day is shaded by the number of events observed and carries a coloured dot for every event source that fired that day. Hover any day for the count and a sample of the events (live UI only).

on-disk state
rndc dnssec -status
DNS probe
K*.key timing
iodyn / syslog
named.log
scheduled (from K*.key)
today

July 2025

Mon	Tue	Wed	Thu	Fri	Sat	Sun
30	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3

August 2025

Mon	Tue	Wed	Thu	Fri	Sat	Sun
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

September 2025

Mon	Tue	Wed	Thu	Fri	Sat	Sun
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	1	2	3	4	5

October 2025

Mon	Tue	Wed	Thu	Fri	Sat	Sun
29	30	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2

November 2025

Mon	Tue	Wed	Thu	Fri	Sat	Sun
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

December 2025

Mon	Tue	Wed	Thu	Fri	Sat	Sun
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4

January 2026

Mon	Tue	Wed	Thu	Fri	Sat	Sun
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1

February 2026

Mon	Tue	Wed	Thu	Fri	Sat	Sun
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	1

March 2026

Mon	Tue	Wed	Thu	Fri	Sat	Sun
23	24	25	26	27	28	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

April 2026

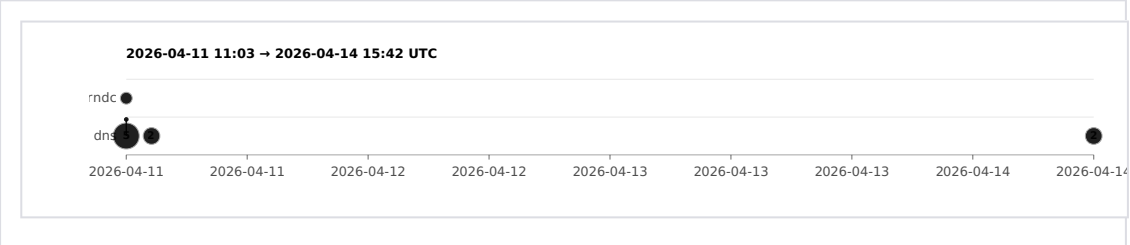
Mon	Tue	Wed	Thu	Fri	Sat	Sun
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3

May 2026

Mon	Tue	Wed	Thu	Fri	Sat	Sun
27	28	29	30	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

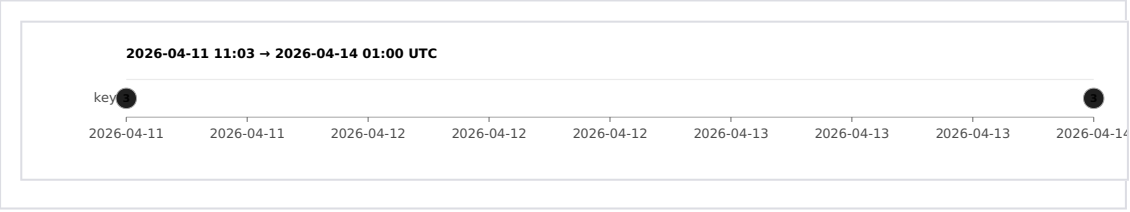
DNS event timeline

Events observed via live DNS queries and reported by `rndc dnssec -status`. Dots are coloured by source, stacked to avoid overlap, and the significant transitions are labelled inline.



File event timeline

Changes observed directly on disk — every modification to a `K*.state` or `K*.key` file. Paired with the DNS timeline above, divergence between the two channels is usually where the interesting DNSSEC bugs live.



State machine timeline

Colour bars show each key's state-machine value over the window. Separate lanes for `GoalState`, `DNSKEYState`, `KRRSIGState`, `ZRRSIGState`, and `DSState`. The rndc view is drawn below from `rndc dnssec -status`; discrepancies between the two are where bugs and BIND quirks usually live.

No state transitions recorded in this window.

BIND's view (rndc dnssec -status)

No rndc state transitions recorded in this window.

Chronological event log

2026-04-11

Time	Source	Key	Type	Summary
11:03:18Z	key	ZSK 59085	key_file_observed	new K*.key for chatmemories.com ZSK tag=59085
11:03:18Z	key	KSK 183	key_file_observed	new K*.key for chatmemories.com KSK tag=183
11:03:18Z	key	ZSK 52044	key_file_observed	new K*.key for chatmemories.com ZSK tag=52044
11:03:18Z	dns	52044	dns_dnskey_appeared_at_zone	DNSKEY (key tag 52044) appeared at zone for chatmemories.com
11:03:18Z	dns	59085	dns_dnskey_appeared_at_zone	DNSKEY (key tag 59085) appeared at zone for chatmemories.com
11:03:18Z	dns	183	dns_dnskey_appeared_at_zone	DNSKEY (key tag 183) appeared at zone for chatmemories.com
11:03:18Z	dns		dns_soa_appeared_at_zone	SOA observed at zone for chatmemories.com (serial 77)
11:03:18Z	rndc		rndc_first_observation	chatmemories.com: observed 0 key(s) via rndc
11:03:19Z	dns	183	dns_ds_appeared_at_parent	DS (key tag 183) appeared at parent for chatmemories.com
13:03:17Z	dns	183	dns_rrsig_appeared_at_zone	RRSIG over DNSKEY (key tag 183) appeared at zone for chatmemories.com
13:03:17Z	dns	59085	dns_rrsig_appeared_at_zone	RRSIG over SOA (key tag 59085) appeared at zone for chatmemories.com

2026-04-14

Time	Source	Key	Type	Summary
01:00:06Z	key	ZSK 59085	key_timing_changed	chatmemories.com ZSK tag=59085 Inactive: 20260421000000 -> 20260428000000
01:00:06Z	key	ZSK 59085	key_timing_changed	chatmemories.com ZSK tag=59085 Delete: 20260425000000 -> 20260502000000
01:00:06Z	key	ZSK 52044	key_timing_changed	chatmemories.com ZSK tag=52044 Activate: 20260421000000 -> 20260428000000
15:42:31Z	dns	59085	dns_rrsig_appeared_at_zone	RRSIG over SOA (key tag 59085) appeared at zone for chatmemories.com
15:42:31Z	dns	59085	dns_rrsig_disappeared_at_zone	RRSIG over SOA (key tag 59085) disappeared at zone for chatmemories.com

Per-key breakdown

For every observed key: the current `K*.key` timings and `K*.state` fields captured at report time, plus a calendar and split DNS / File timelines limited to that key's events. KSKs naturally show their DS lifecycle at the parent because DS events are tagged by key tag at emit time.

KSK · tag 183

Algorithm: 13 · Key id: `Kchatmemories.com.+013+00183` · First seen: 2026-04-11T11:03:18Z

K*.key file timings

Field	Value
Created	2025-07-19 15:08:35 UTC
Publish	2025-07-19 15:08:35 UTC
Activate	2025-07-19 15:08:35 UTC
Revoke	–
Inactive	–
Delete	–
SyncPublish	–
SyncDelete	–

K*.state — state machine

Field	Value
none observed	

K*.state — timestamps

Field	Value
none observed	

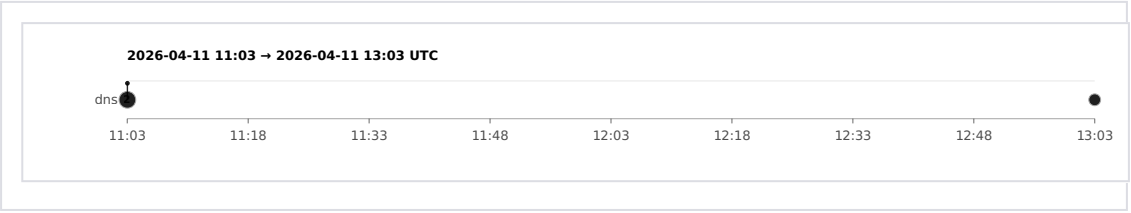
Calendar

on-disk state · rndc dnssec -status · DNS probe · K*.key timing · iodyn / syslog · named.log · scheduled (from K*.key) · today

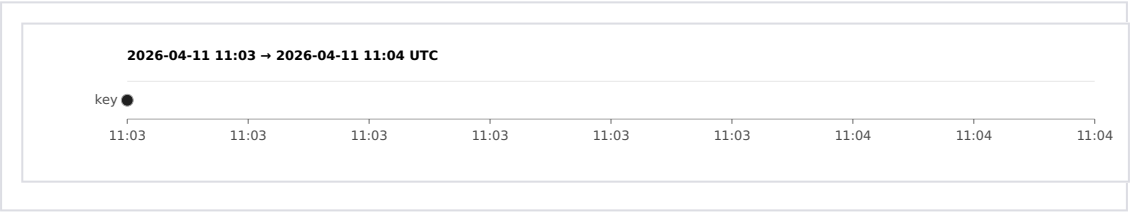
April 2026

Mon	Tue	Wed	Thu	Fri	Sat	Sun
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3

DNS events for this key



File events for this key



ZSK · tag 52044

Algorithm: 13 · Key id: `Kchatmemories.com.+013+52044` · First seen: 2026-04-11T11:03:18Z

K*.key file timings

Field	Value
Created	2026-03-02 01:00:01 UTC
Publish	2026-03-06 00:00:00 UTC
Activate	2026-04-28 00:00:00 UTC
Revoke	—
Inactive	2026-05-05 00:00:00 UTC
Delete	2026-05-09 00:00:00 UTC
SyncPublish	—
SyncDelete	—

K*.state — state machine

Field	Value
none observed	

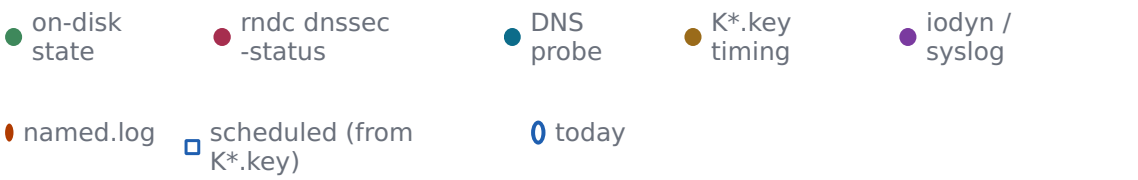
K*.state — timestamps

Field	Value
none observed	

Timing changes observed

When	Source	Field	Old	New
2026-04-14T01:00:06Z	key	Activate	2026-04-21 00:00:00 UTC	2026-04-28 00:00:00 UTC

Calendar



April 2026

Mon	Tue	Wed	Thu	Fri	Sat	Sun
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3

DNS events for this key

File events for this key

ZSK · tag 59085

Algorithm: 13 · Key id: `Kchatmemories.com.+013+59085` · First seen: 2026-04-11T11:03:18Z

K*.key file timings

Field	Value
Created	2025-09-01 01:00:01 UTC
Publish	2025-09-05 00:00:00 UTC
Activate	2025-09-09 00:00:00 UTC
Revoke	—
Inactive	2026-04-28 00:00:00 UTC
Delete	2026-05-02 00:00:00 UTC
SyncPublish	—
SyncDelete	—

K*.state — state machine

Field	Value
none observed	

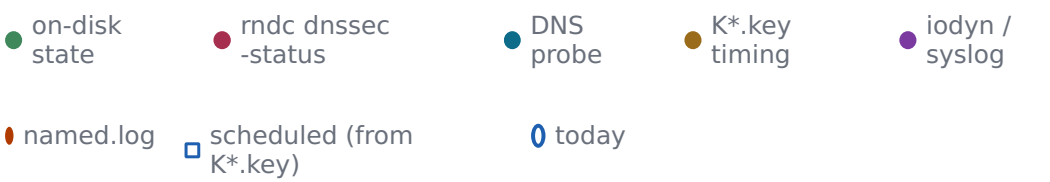
K*.state — timestamps

Field	Value
none observed	

Timing changes observed

When	Source	Field	Old	New
2026-04-14T01:00:06Z	key	Inactive	2026-04-21 00:00:00 UTC	2026-04-28 00:00:00 UTC
2026-04-14T01:00:06Z	key	Delete	2026-04-25 00:00:00 UTC	2026-05-02 00:00:00 UTC

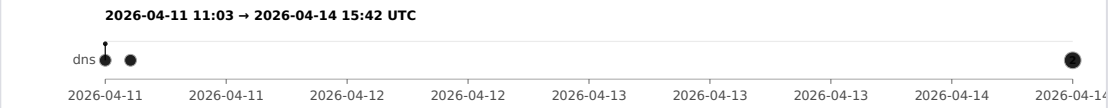
Calendar



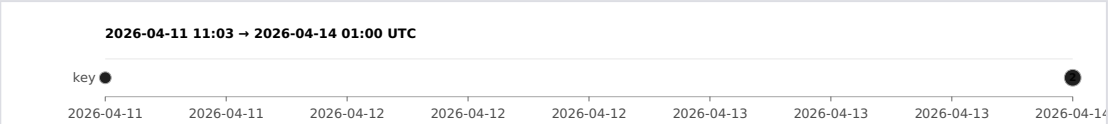
April 2026

Mon	Tue	Wed	Thu	Fri	Sat	Sun
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3

DNS events for this key



File events for this key



DNS observations

Samples of what was visible at the zone and at the parent.

When	Where	Type	Change
2026-04-11T11:03:18Z	zone	DNSKEY	DNSKEY (key tag 52044) appeared at zone for chatmemories.com
2026-04-11T11:03:18Z	zone	DNSKEY	DNSKEY (key tag 59085) appeared at zone for chatmemories.com
2026-04-11T11:03:18Z	zone	DNSKEY	DNSKEY (key tag 183) appeared at zone for chatmemories.com
2026-04-11T11:03:18Z	zone	SOA	SOA observed at zone for chatmemories.com (serial 77)
2026-04-11T11:03:19Z	parent	DS	DS (key tag 183) appeared at parent for chatmemories.com
2026-04-11T13:03:17Z	zone	RRSIG	RRSIG over DNSKEY (key tag 183) appeared at zone for chatmemories.com
2026-04-11T13:03:17Z	zone	RRSIG	RRSIG over SOA (key tag 59085) appeared at zone for chatmemories.com
2026-04-14T15:42:31Z	zone	RRSIG	RRSIG over SOA (key tag 59085) appeared at zone for chatmemories.com
2026-04-14T15:42:31Z	zone	RRSIG	RRSIG over SOA (key tag 59085) disappeared at zone for chatmemories.com

Appendix — raw state snapshots

No state snapshots were captured in this window.