

# DNSSEC lifecycle report

ltfiend.org

Time window

earliest → now

Generated

2026-04-19T12:39:40.200247+00:00

Key directory

`/mnt/bind/keys/ltfiend.org`

# Summary

During the reported window 7 DNS observation(s).

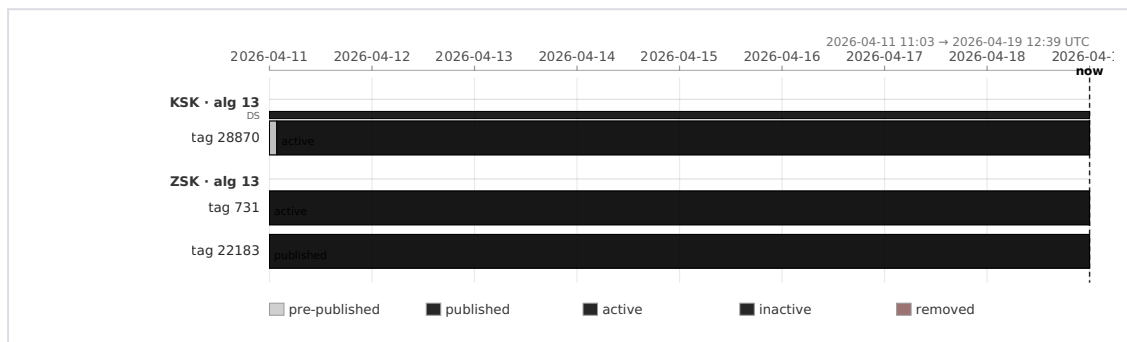
- Keys observed: 3
- Events recorded: 14
- State changes (state\_file): 0
- State changes (rndc dnssec -status): 0
- DNS observations (zone + parent): 7
- iodyn-dnssec actions: 0

# Key inventory

Tag	Role	Algorithm	Key id	First seen
28870	KSK	13	Kltfiend.org. +013+28870	2026-04-11T11:03:18Z
731	ZSK	13	Kltfiend.org. +013+00731	2026-04-11T11:03:18Z
22183	ZSK	13	Kltfiend.org. +013+22183	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)
- 0 today

July 2025						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
30	1	2	3	4	5	6
7	8	9	10 <span style="color: blue;">□</span>	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 <span style="color: blue;">□</span>	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

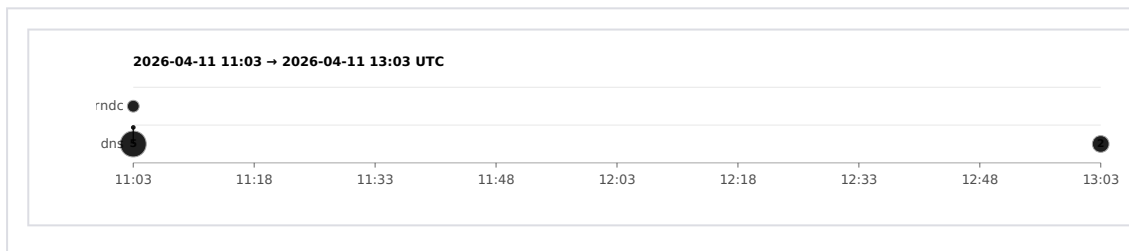
## April 2026

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	<span style="border: 1px solid blue;">19</span>
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

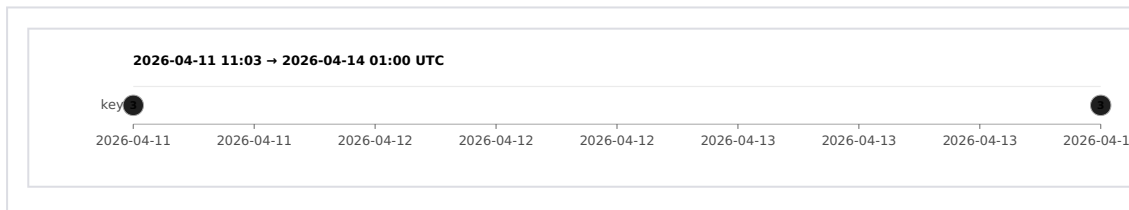
## DNS event timeline

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 `DSSState`. 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	KSK 28870	key_file_observed	new K*.key for ltfiend.org KSK tag=28870
11:03:18Z	key	ZSK 22183	key_file_observed	new K*.key for ltfiend.org ZSK tag=22183
11:03:18Z	key	ZSK 731	key_file_observed	new K*.key for ltfiend.org ZSK tag=731
11:03:19Z	dns	22183	dns_dnskey_appeared_at_zone	DNSKEY (key tag 22183) appeared at zone for ltfiend.org
11:03:19Z	dns	731	dns_dnskey_appeared_at_zone	DNSKEY (key tag 731) appeared at zone for ltfiend.org
11:03:19Z	dns	28870	dns_dnskey_appeared_at_zone	DNSKEY (key tag 28870) appeared at zone for ltfiend.org
11:03:19Z	dns		dns_soa_appeared_at_zone	SOA observed at zone for ltfiend.org (serial 82)
11:03:19Z	dns	28870	dns_ds_appeared_at_parent	DS (key tag 28870) appeared at parent for ltfiend.org

Time	Source	Key	Type	Summary
11:03:19Z	rndc		rndc_first_observation	Itfiend.org: observed 0 key(s) via rndc
13:03:18Z	dns	28870	dns_rrsig_appeared_at_zone	RRSIG over DNSKEY (key tag 28870) appeared at zone for Itfiend.org
13:03:18Z	dns	731	dns_rrsig_appeared_at_zone	RRSIG over SOA (key tag 731) appeared at zone for Itfiend.org

## 2026-04-14

Time	Source	Key	Type	Summary
01:00:06Z	key	ZSK 22183	key_timing_changed	Itfiend.org ZSK tag=22183 Activate: 20260421000000 -> 20260428000000
01:00:06Z	key	ZSK 731	key_timing_changed	Itfiend.org ZSK tag=731 Inactive: 20260421000000 -> 20260428000000
01:00:06Z	key	ZSK 731	key_timing_changed	Itfiend.org ZSK tag=731 Delete: 20260425000000 -> 20260502000000

## 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 28870

Algorithm: 13 · Key id: Kltfiend.org.+013+28870 · First seen: 2026-04-11T11:03:18Z

## K\*.key file timings

Field	Value
Created	2025-07-10 01:51:39 UTC
Publish	2025-07-10 01:51:39 UTC
Activate	2025-07-10 01:51:39 UTC
Revoke	–
Inactive	–
Delete	–
SyncPublish	–
SyncDelete	–









## K\*.state — state machine

Field	Value
	<i>none observed</i>

## K\*.state — timestamps

Field	Value
	<i>none observed</i>

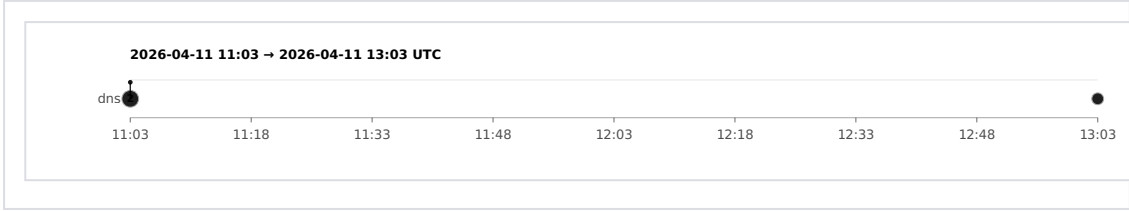
## Calendar

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

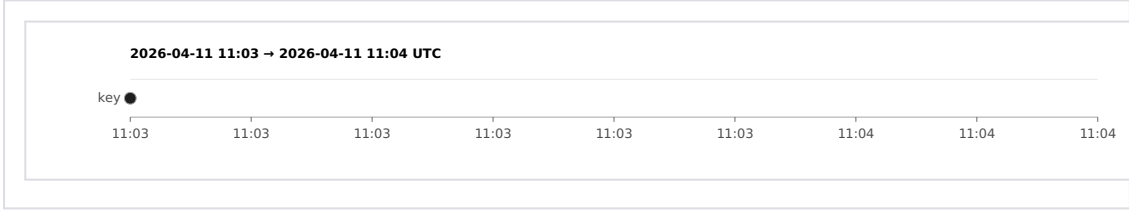
## April 2026

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	<b>19</b>
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 731

Algorithm: 13 · Key id: `Kltfiend.org.+013+00731` · First seen: 2026-04-11T11:03:18Z

## K\*.key file timings

Field	Value
Created	2025-08-25 10:49:25 UTC
Publish	2025-08-29 00:00:00 UTC
Activate	2025-09-02 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
	<i>none observed</i>









## K\*.state — timestamps

Field	Value
	<i>none observed</i>

## 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

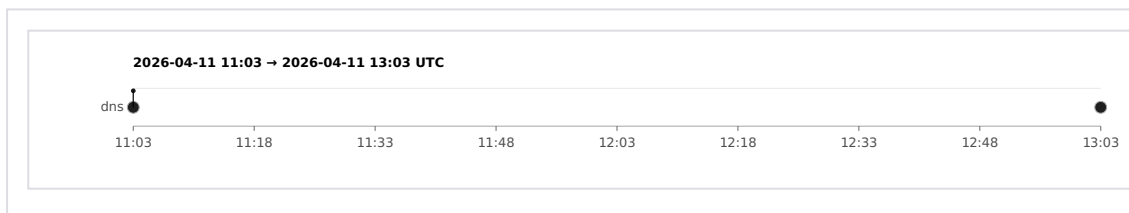
## Calendar

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

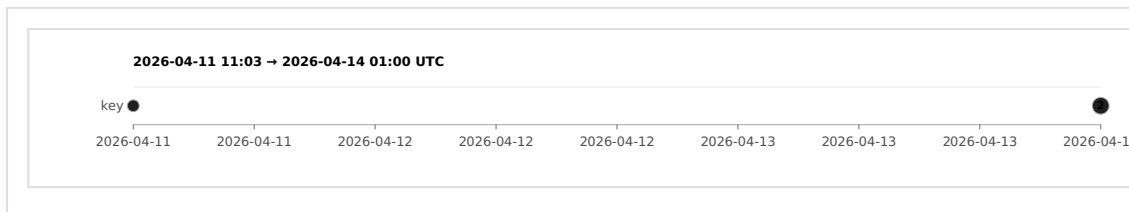
## April 2026

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 22183

Algorithm: 13 · Key id: Kltfiend.org.+013+22183 · 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
	<i>none observed</i>

## K\*.state — timestamps

Field	Value
	<i>none observed</i>

## 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

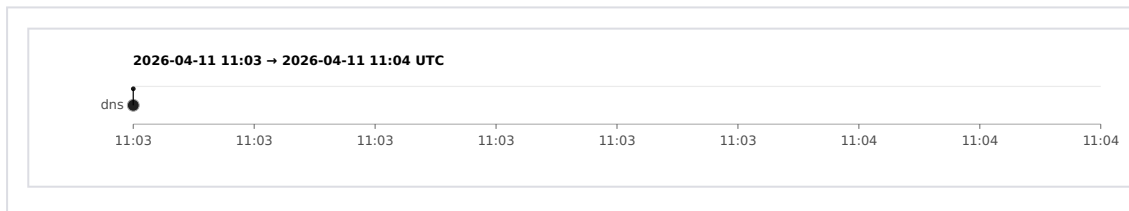
## Calendar

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

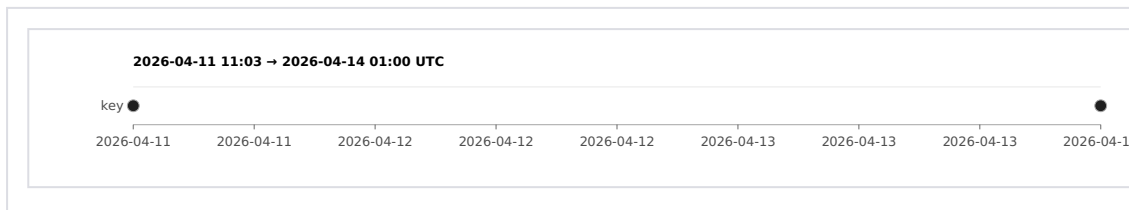
## April 2026

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



# DNS observations

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

When	Where	Type	Change
2026-04-11T11:03:19Z	zone	DNSKEY	DNSKEY (key tag 22183) appeared at zone for ltfiend.org
2026-04-11T11:03:19Z	zone	DNSKEY	DNSKEY (key tag 731) appeared at zone for ltfiend.org
2026-04-11T11:03:19Z	zone	DNSKEY	DNSKEY (key tag 28870) appeared at zone for ltfiend.org
2026-04-11T11:03:19Z	zone	SOA	SOA observed at zone for ltfiend.org (serial 82)
2026-04-11T11:03:19Z	parent	DS	DS (key tag 28870) appeared at parent for ltfiend.org
2026-04-11T13:03:18Z	zone	RRSIG	RRSIG over DNSKEY (key tag 28870) appeared at zone for ltfiend.org
2026-04-11T13:03:18Z	zone	RRSIG	RRSIG over SOA (key tag 731) appeared at zone for ltfiend.org

## Appendix — raw state snapshots

No state snapshots were captured in this window.