

RPKI-Based Origin Deployment Status

JaNOG / 大阪

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The Global RPKI

(世界のRPKI)

Grand totals for all repositories

おかしい										すこし注意										良い			
has expired	issues mismatch	failed validation	missing object	related transfer	key mismatch	trust anchor	owner	attributes	name	name	transfer	manifest	CRL	manifest	owner	extension	accepted	succeeded					
				2							2							553					
4	1	4	8		1	2	1		2	2			141	72	70	1	2239						
												76					2172						
													1	1			1						
			1										6	6	1		8						
1		1	1				34	1	2		75	76				1	2171						
16	2	16	18				2	26	75	75			59	59	4		1383						
Total																							

IPアドレス証明書の数

ROAの数

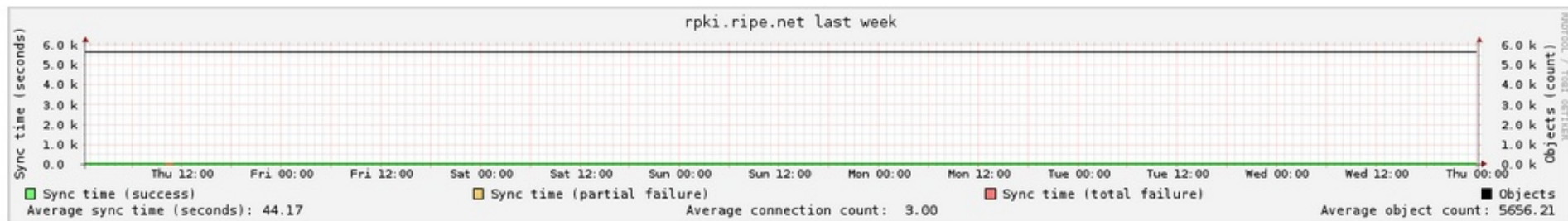
http://cache0.sea.rpki.net/ (ROAの配布状況のWeb)

Informant subject name	rsync partial transfer	Stale CRL or manifest	Tainted by stale CRL	Tainted by stale manifest	Tainted by not being in manifest	Non- rsync URI in extension	Object accepted	rsync transfer succeeded
	2							553
ROAの数			141	72	70	1	2239	
		76					2172	
			1	1			1	
			6	6	1		8	
2		75	76			1	2171	
ROAの数			59	59	4		1383	
79	2	151	283	138	75	2	7974	553

RIPE

Sync transfer	Stale CRL or manifest	Tainted by stale CRL	Tainted by stale manifest	Tainted by not being in manifest	Non- rsync URI in extension	Object accepted	rsync transfer succeeded
							3
						1508	
						1508	
						1508	
						1148	
						5672	3

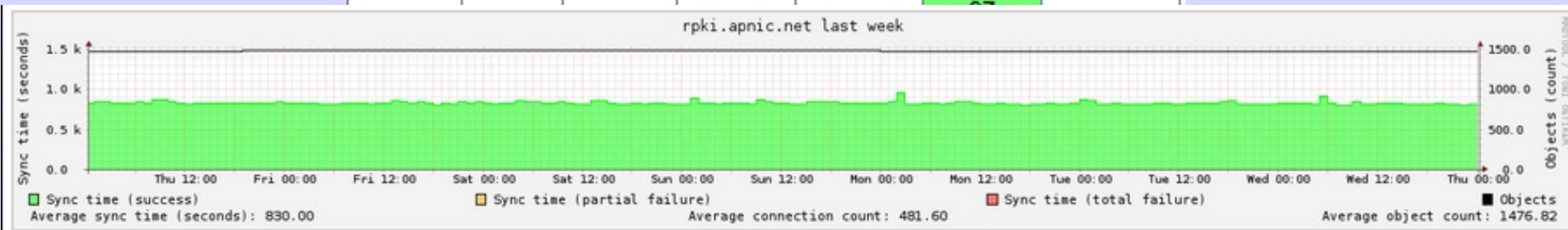
rpki.ripe.net over last week



APNIC

APNIC is operational and moving forward, moving to RIPE's GUI (APNICは本番運用中で前進している。RIPEのGUIシステムへ移行中)

Stale CRL or manifest	Tainted by stale CRL	Tainted by stale manifest	Tainted by not being in manifest	Non-rsync URI in extension	Object accepted	rsync transfer succeeded
						480
					478	
					478	
					478	



ARIN, the Lawyer RIR

ARIN is doing their best to make RPKI deployment very hard. Run by lawyers.

(ARINはRPKIの普及にベストを尽くしている。ルール重視の運営。。。。)

Nonconformant X.509 issuer name	Nonconformant X.509 subject name	rsync partial transfer	Stale CRL or manifest	Tainted by stale CRL	Tainted by stale manifest	Tainted by not being in manifest	Non-rsync URI in extension	Object accepted	rsync transfer succeeded
									2
2	2							61	
								61	
1	1							61	
75	75							75	
78	78							258	2

AFRINIC & LACNIC

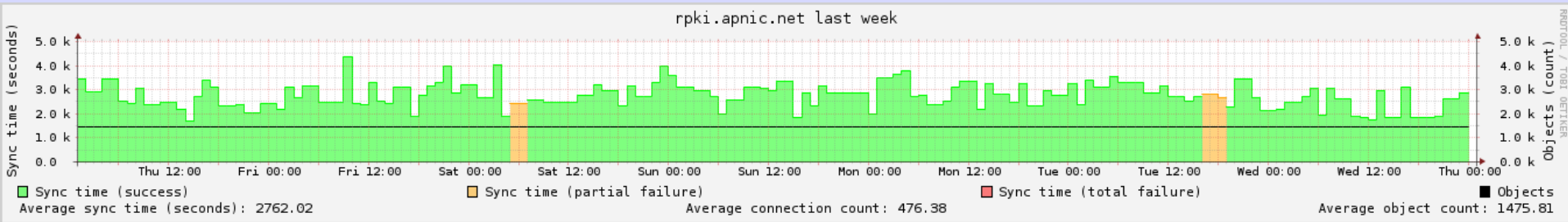
	Tainted by not being in manifest	Non-rsync URI in extension	Object accepted	rsync transfer succeeded
				26
		1	34	
			34	
		1	34	
	4		10	
	4	2	112	26

Tainted by stale manifest	Non-rsync URI in extension	Object accepted	rsync transfer succeeded
			2
		215	
		215	
		215	
		98	
		743	2

LACNIC Has Been Working Hard on RPKI!
 (LACNICはすごくがんばってる)

Fetch Problems

Unlike JaNOG 30, APNIC is the only RIR
Where we Had Data Fetching Problems
(JANOG30の後、APNICはRIRでROAの
データ配布でトラブルがあった)



And the Software Uses the Older Data
Until it Gets Newer Data

(でもソフトウェアは古いデータでちゃんと動

JPNIC Has an RPKI Certification TestBed

(jpnictはRPKIテスト環境を作った)

Come Join!

(参加してください！)

Router Origin Validation (RouterでのOrigin AS検証)

- Cisco IOS - solid in 15.2
- Cisco IOS/XR - shipped in 4.3.2
- Juniper - shipped in 12.2
- AlcaLu - in development

RPKI Implementations

(RPKIの実装)

- RIPE/NCC - CA (partial closed) & RP (partial open)
- APNIC - CA only - Closed Source
- RTRlib/Berlin - RP only - Open Source
- BBN - RP Only - Open Source
- RPKI.NET - CA & RP - Open Source

Today - RPKI.NET

(RPKI.netソフトの現状)

- Open Source BSD License
- CA - Hosted and Delegated Models, GUI
- RP - RPKI-RTR, NOC Tools, IRR Gen
- FreeBSD, Ubuntu, Debian, ... Packaged (docs still catching up)

Recent Hackathons

(これまでのハッカソン)

- JaNOG January - LIRs bring up Relying Party. Few Attended, Most Succeeded
- JPNIC 20 Feb - RP only, 3 ISPs were successful
- APRICOT February - TW, & KR have CAs in internal test
- Beirut March - 18 LIRs as RPs
- AfNOG June - 17 RPs
- SGNOC June - many RPs
- JaNOG July - 14 LIRs, still hacking!

JPNIC is
Working Hard!
(JPNICはすごく
がんばっている)

You Can Issue ROAs For Your Prefixes (あなたのPrefixでROAが発行できる)

labuser04

[dashboard](#)

[routes](#)

[alerts](#) 0

[select identity](#)

[web users](#)

[resource holders](#)

[repository clients](#)

[export identity](#)

Resources

Resource	Valid Until	Parent
98.128.4.0/24	July 1, 2014, 1:21 p.m.	workshop

[refresh](#)

ROAs

Prefix	Max Length	AS	
98.128.4.0/24	24	4128	info delete refresh

[Create](#)

[Import](#)

[Export](#)

Children

Handle

[Child](#)

[ASNs](#)

[Prefixes](#)

[ASNs](#)

[Prefixes](#)

Unallocated Resources

The following resources have not been allocated to a child, nor appear in a ROA.

Ghostbusters

Full Name	Organization	Email	Telephone
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[Create](#)

Parents

Handle

[workshop](#)



[Import](#)

You Can Build RPKI Caches and Test with Your Routers (RPKIキャッシュとルータで テスト環境も作れる)

Come Play With
Us and Test!

(一緒に楽しくいじって
テスト
しましょう!)