

# Deprecate rsync for RPKI

draft-sidrops-bruijnzeels-deprecate-rsync-01

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# Goal

Remove the dependencies  
on rsync for RPKI validation

# Why?

Rsync server easy to DoS

Rsync libraries lacking

No atomic deltas

# RRDP

Scaling with CDNs

Good https client libraries

Atomic deltas

# Constraints

Leave no one behind

# Phase 0

(today)

Rsync mandatory

RRDP optional

(supported by most)

# Phase 1

Repositories **MUST** support  
both rsync and RRDP

Verify!

# Phase 2

Relying Parties **MUST** use RRDP  
and **MUST NOT** use rsync

Measure!



# Phase 3

Repositories **MUST** support RDDDP  
and **MAY** support rsync

rsync URIs may still work  
no operational dependencies

# Phases

	Repositories		Relying Parties	
	rsync	RRDP	rsync	RRDP
0	all	most	all	most
1	all	all	all	most
2	all	all	none	all
3	optional	all	none	all

# Process?

Will call for adoption  
drafts for plan and phases?