OAuth 2.0 Proof-of-Possession (PoP) Security Architecture

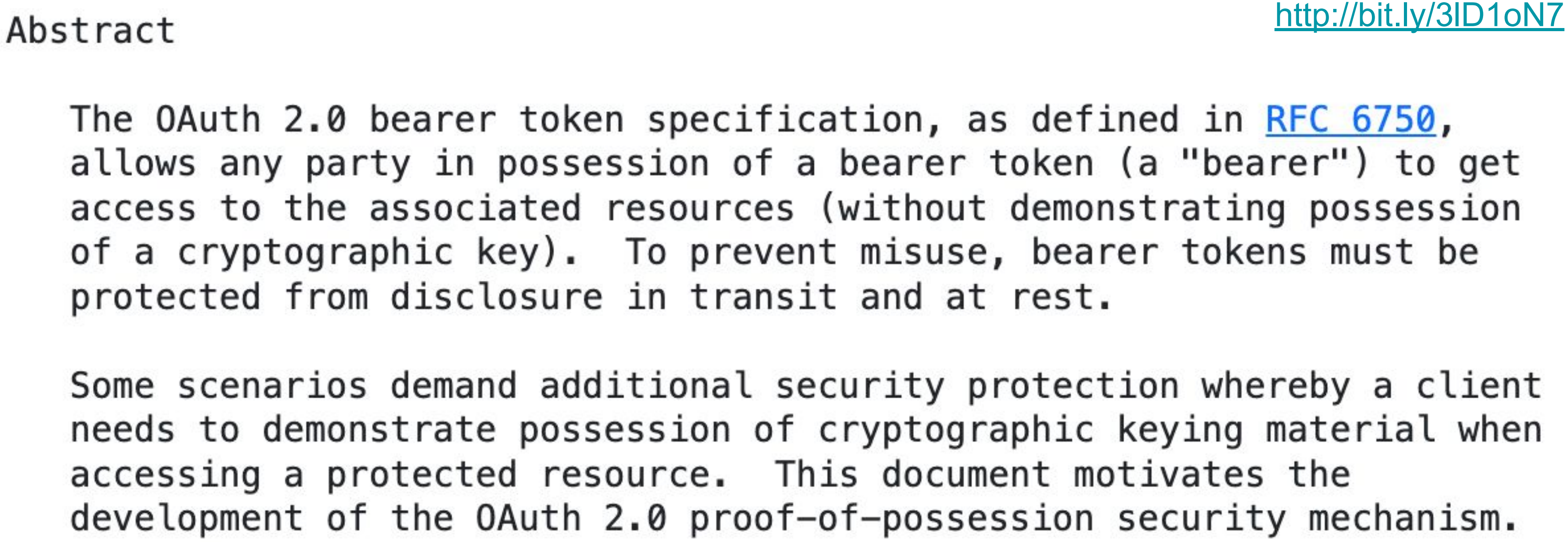
draft-ietf-oauth-pop-architecture-08.txt

Nat Sakimura

What it is - Describes PoP Architecture

… and motivates the development of such.

http://bit.ly/3lD1oN7

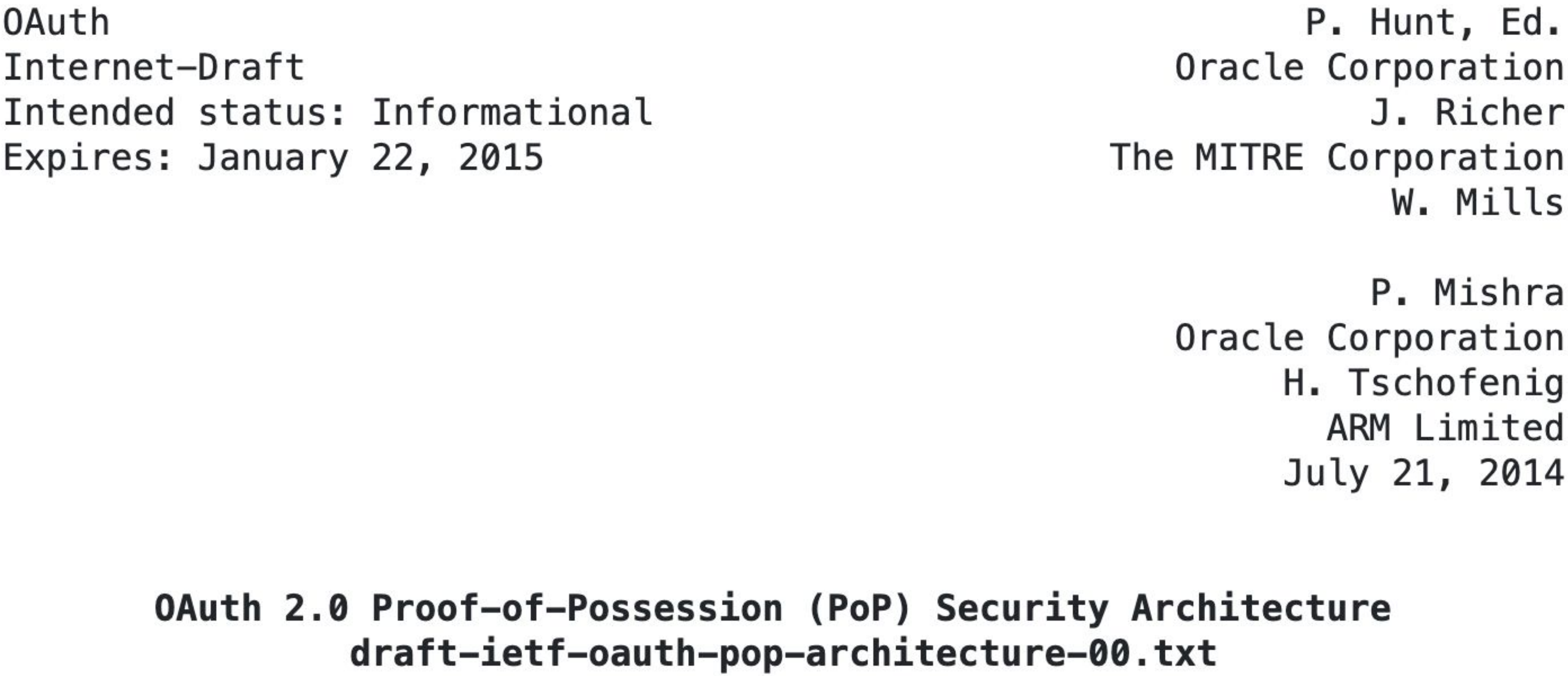


Abstract

The OAuth 2.0 bearer token specification, as defined in RFC 6750, allows any party in possession of a bearer token (a "bearer") to get access to the associated resources (without demonstrating possession of a cryptographic key). To prevent misuse, bearer tokens must be protected from disclosure in transit and at rest.

Some scenarios demand additional security protection whereby a client needs to demonstrate possession of cryptographic keying material when accessing a protected resource. This document motivates the development of the OAuth 2.0 proof-of-possession security mechanism.

The work started in July 2014



OAuth
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draft-ietf-oauth-pop-architecture-00.txt

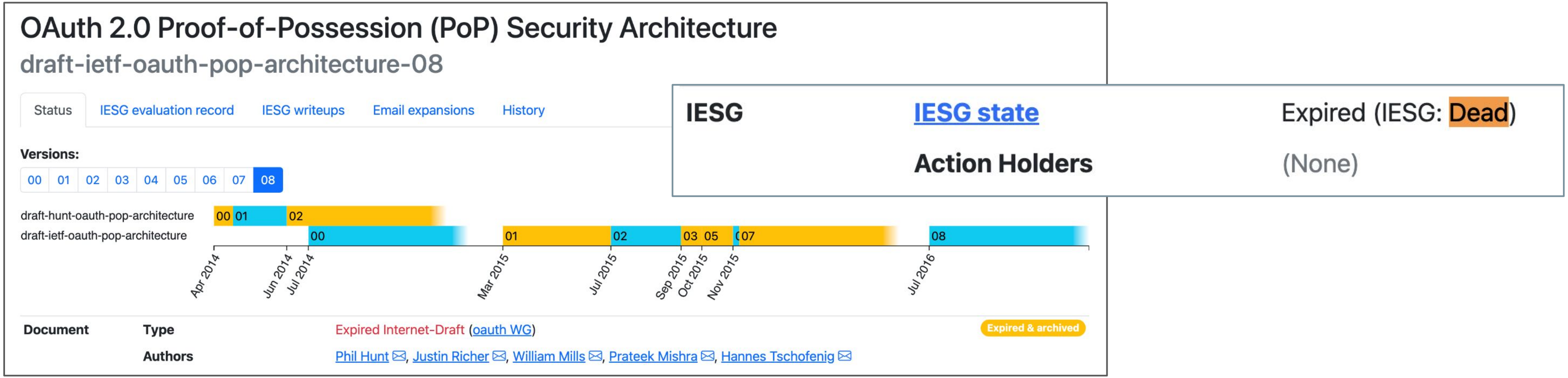
That’s 9 years ago and I was assuming the work has completed and …

I pointed out an author of an academic paper I was reviewing that they may want to refer to the RFC for the categorization of non-bearer tokens.

Then, the answer *“I cannot find it”* came back.

To my surprise,

The draft has expired and marked “dead”



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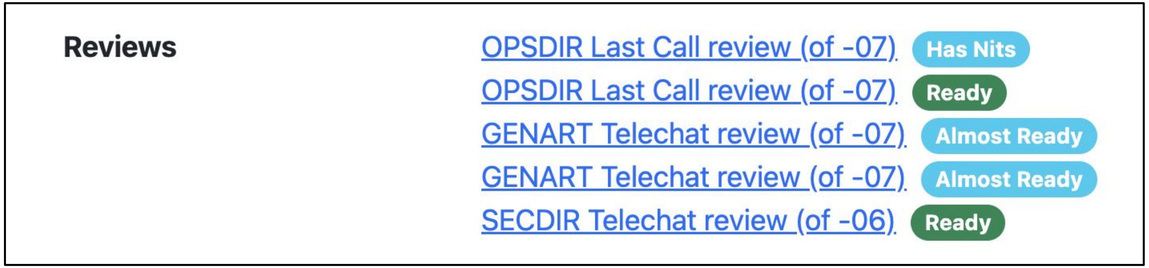
Versions:

Document	**Type**	Expired Internet-Draft (oauth WG)
	Authors	Phil Hunt ✉, Justin Richer ✉, William Mills ✉, Prateek Mishra ✉, Hannes Tschofenig ✉

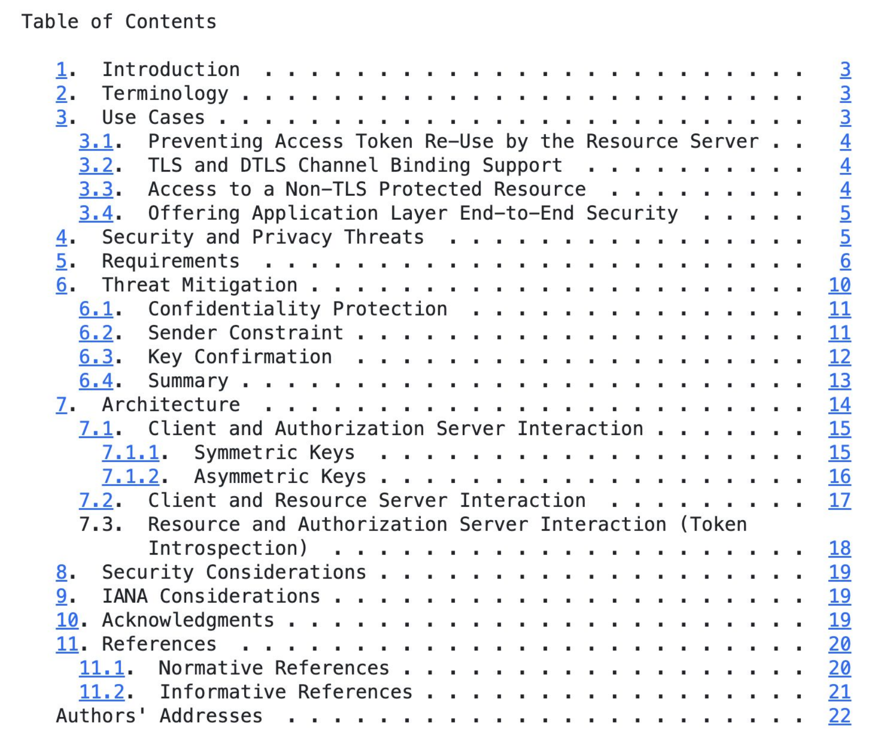
IESG	**IESG state**	Expired (IESG: Dead)
	Action Holders	(None)



Reviews	OPSDIR Last Call review (of -07)	Has Nits
	OPSDIR Last Call review (of -07)	Ready
	GENART Telechat review (of -07)	Almost Ready
	GENART Telechat review (of -07)	Almost Ready
	SECDIR Telechat review (of -06)	Ready

despite it was “Almost ready”

I still believe that this draft has useful information



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(Source) Hunt, et al.; OAuth 2.0 Proof-of-Possession (PoP) Security Architecture <http://bit.ly/3lD1oN7>

Do we have an appetite to have it cross the goal line so that it can be referenced?

If so, what’s the next step?