


# **IETF #91 OAuth Meeting**

Derek Atkins

Hannes Tschofenig




# Documents in IESG Processing

- JWT (Mike)
  - <http://datatracker.ietf.org/doc/draft-ietf-oauth-json-web-token/>

<a href="#">draft-ietf-oauth-json-web-token-30</a>	JSON Web Token (JWT)	2014-10-24	IESG Evaluation: AD Followup (for 39 days) Submitted to IESG for Publication Aug 2013	
----------------------------------------------------	----------------------	------------	------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------

# Documents in IESG Processing, cont.

- Assertions (Brian)
  - <http://datatracker.ietf.org/doc/draft-ietf-oauth-assertions/>
  - <http://datatracker.ietf.org/doc/draft-ietf-oauth-jwt-bearer/>
  - <http://datatracker.ietf.org/doc/draft-ietf-oauth-saml2-bearer/>

<a href="#">draft-ietf-oauth-assertions-18</a>	Assertion Framework for OAuth 2.0 Client Authentication and Authorization Grants	2014-10-21	IESG Evaluation::AD Followup (for 25 days) Submitted to IESG for Publication Apr 2013	
<a href="#">draft-ietf-oauth-jwt-bearer-11</a>	JSON Web Token (JWT) Profile for OAuth 2.0 Client Authentication and Authorization Grants	2014-10-21	IESG Evaluation::AD Followup (for 25 days) Submitted to IESG for Publication Aug 2013	
<a href="#">draft-ietf-oauth-saml2-bearer-22</a>	SAML 2.0 Profile for OAuth 2.0 Client Authentication and Authorization Grants	2014-10-21	IESG Evaluation::AD Followup (for 25 days) Submitted to IESG for Publication Apr 2013	

# Documents in IESG Processing, cont.

- Dynamic Client Registration (Justin)
  - <http://datatracker.ietf.org/doc/draft-ietf-oauth-dyn-reg/>
  - <http://datatracker.ietf.org/doc/draft-ietf-oauth-dyn-reg-management>

<a href="#">draft-ietf-oauth-dyn-reg-20</a>	OAuth 2.0 Dynamic Client Registration Protocol	2014-08-26	Publication Requested (for 61 days) Submitted to IESG for Publication Jul 2014
<a href="#">draft-ietf-oauth-dyn-reg-management-05</a>	OAuth 2.0 Dynamic Client Registration Management Protocol	2014-08-26	I-D Exists WG Document
<a href="#">draft-ietf-oauth-dyn-reg-metadata-01</a>	OAuth 2.0 Dynamic Client Registration Metadata	2014-05-22 expires soon	I-D Exists Dead WG Document

# IPR Disclosure on OAuth

- Late IPR disclosure from Nokia on RFC 6749:  
<http://www.ietf.org/mail-archive/web/oauth/current/msg13436.html>
- We asked you to evaluate the disclosure within your company and to give us feedback.
- No feedback received. No problem?

# Milestone Check

## Milestones

- Done Submit 'The OAuth 2.0 Protocol: Bearer Tokens' to the IESG for consideration as a Proposed Standard
- Done Submit 'The OAuth 2.0 Authorization Protocol' to the IESG for consideration as a Proposed Standard
- Done Submit 'An IETF URN Sub-Namespace for OAuth' to the IESG for consideration as a Proposed Standard
- Done Submit 'OAuth 2.0 Threat Model and Security Considerations' to the IESG for consideration as an Informational RFC
- Done Submit 'Token Revocation' to the IESG for consideration as a Proposed Standard
- Done Submit 'OAuth 2.0 Assertion Profile' to the IESG for consideration as a Proposed Standard  
[draft-ietf-oauth-assertions](#)
- Done Submit 'SAML 2.0 Bearer Assertion Profiles for OAuth 2.0' to the IESG for consideration as a Proposed Standard  
[draft-ietf-oauth-saml2-bearer](#)
- Done Submit 'JSON Web Token (JWT)' to the IESG for consideration as a Proposed Standard  
[draft-ietf-oauth-json-web-token](#)
- Done Submit 'JSON Web Token (JWT) Bearer Token Profiles for OAuth 2.0' to the IESG for consideration as a Proposed Standard  
[draft-ietf-oauth-jwt-bearer](#)
- Jul 2014 Submit 'OAuth Dynamic Client Registration Protocol' to the IESG for consideration as a Proposed Standard  
[draft-ietf-oauth-dyn-reg](#)

+ 1 new milestone currently in Area Director review.

# OAuth & Authentication

- Problem: OAuth is used outside the originally intended usage. Attempts to use OAuth for Web SSO lead to security problems.
- Our approach: Make readers aware of the problems. Point them to OpenID Connect
- Draft write-up by Justin, see <http://www.ietf.org/mail-archive/web/oauth/current/msg13708.html>
- Plan was to publish it on [oauth.net](http://oauth.net)

# Proof-of-Possession

- **Requirements/Use Cases/Threats/Architecture**
  - <http://datatracker.ietf.org/doc/draft-ietf-oauth-pop-architecture/>
  - Status: 4/5
- **PoP Semantics for JWTs**
  - <http://datatracker.ietf.org/doc/draft-ietf-oauth-proof-of-possession/>
  - Status: 4/5
- **Authorization Server to Client Key Distribution**
  - <http://datatracker.ietf.org/doc/draft-ietf-oauth-pop-key-distribution/>
  - Status: 3/5 (see open issue)
- **Signing of HTTP Requests**
  - <http://datatracker.ietf.org/doc/draft-ietf-oauth-signed-http-request/>
  - Status: 1/5 (currently strawman proposal)
  - Token Binding work might be relevant: <https://tools.ietf.org/html/draft-popov-token-binding-00>
  - Potential to re-use deployed solutions, such as [http://docs.aws.amazon.com/general/latest/gr/sigv4\\_signing.html](http://docs.aws.amazon.com/general/latest/gr/sigv4_signing.html)
- Slow progress; how do we speed up work?



# Recently added WG Drafts

- Token Exchange (Mike)  
<http://datatracker.ietf.org/doc/draft-ietf-oauth-token-exchange/>
- Token Introspection (Justin)  
<http://datatracker.ietf.org/doc/draft-ietf-oauth-introspection/>
- Request by JWS ver.1.0 for OAuth 2.0 (Nat)  
<http://datatracker.ietf.org/doc/draft-ietf-oauth-jwsreq/>
- SPOP (Nat)  
<http://datatracker.ietf.org/doc/draft-ietf-oauth-spop/>