OAuth 2

Patrick P. Bucher, Christopher J. Christensen

Outline

- Authentication and Authorization
- OAuth 2.0 Architecture
- Differences to OAuth 1.0
- Identity Provider
- OAuth Proxy
- Authorization Grant
- Bearer Tokens
- JWT: JSON Web Tokens
- OIDC: OpenID Connect
- Implementations and Libraries
- Vulnerabilities and Weaknesses

Sources

Books

- Richer, J. and Sanso, A. (2017). *OAuth 2 in Action*. Shelter Island, NY: Manning
- Newman, S. (2015). *Building Microservices*. Sebastopol, CA: O'Reilly

RFCs (Reference)

- Hardt, D. (2012). *The OAuth 2.0 Authorization Framework*. RFC 6749
- Jones, M. and Hardt, D. (2012). *The OAuth 2.0 Authorization Framework: Bearer Token Usage*. RFC 6750
- Jones, M., Bradley, J. and Sakimura, N. (2015). *JSON Web Token (JWT)*. RFC 7519

Websites

- OAuth 2
- OpenID Connect