# Identity Professionals Recommend

## An annotated bibliography

Updated and Issued from Time to Time

*Contributions by the membership of IDPro*

compiled by
The Body of Knowledge Committee

September 15, 2019

IDPRO

# Preface

Beginnings aren't simple; they take courage and curiosity. Courage to try something new is applauded, whether what is new is a new profession, such as identity management, or a new discipline, such as learning federation after already mastering access certification. Regardless, setting out to do something new requires the curiosity to figure out how to do it.

A consistent challenge in our profession is finding the resources from which to learn that new thing. IDPro's mission is to help do just that: connecting professionals to learn from one another, providing opportunities to learn from experts, and building resources from which professionals can learn. And this bibliography is one such resource.

The collation of suggestions from identity professionals, this bibliography hopes to provide a needed resource for people with the courage and curiosity to begin something. The books, blogs, and articles referenced within span a wide range of topics and a wide range of approaches. And more that than, it offers a glimpse as to why your peers suggested the resource in the first. Knowing why someone read something is a useful clue as to the value you'll get from reading the same thing.

This bibliography represents a beginning in and of itself. It is the first, of what will be many resources, that our Body of Knowledge Committee has created. I applaud the group for their courage and curiosity to begin and hope you find a gem or two in here that helps you on your beginning!

January 10, 2019
Ian Glazer
Founder and President, IDPro

# Introduction

This document is intended as an a way to convey some of the accumulated wisdom and knowledge of the members of IDPro. It is in the form of an annotated bibliography, where the references may be books, articles, or any other form of knowledge transfer. At the same time, this document is a way for individual members of IDPro to highlight their experience and expertise. It is not intended to be a marketplace. Rather it is a way to extend the benefits of community to the members of IDPro.

All members of IDPro are encouraged to make contributions, either of material they have found useful in their career, or of content they have personally developed that others may find useful. All contributions of content are appreciated. The contributors' biographic details, likenesses, and annotations are subject to only to light editing by the Body of Knowledge Committee. The contributors are encouraged to submit annotations that are fresh, friendly, and fun. You may find some of them contain a degree of humor not normally associated with something as dry as knowledge transfer.

Please contact info@idpro.org for the best method to contribute.

January 20, 2019
George Dobbs
Chair, Body of Knowledge Committee, IDPro

# The Contributors

## Bertrand Carlier

*Paris, France*

Bertrand Carlier is a senior manager in the Cybersecurity and Digital Trust practice at Wavestone consultancy with over 15 years of experience. He has been leading major Identity and Access Management projects, working with a broad number of client companies, in many industries.

He is devoted to the promotion and the good usage of open standards and has done so through leading projects as well as talks at various international conferences.

He likes nothing more than to tackle the newest problems in the Identity and Access Management space : API and microservices security, IAM of Things, AI for IAM and IAM for AI and of course the longstanding problem “how to cope with both the legacy and the ever more shiny (and accumulating) new toys?”

### Recommendations

1. Vittorio Bertocci, “OAuth2 Implicit Grant and SPA,” 2019, `https://auth0.com/blog/oauth2-implicit-grant-and-spa/`
2. Prabath Siriwardena, “Securing Microservices (Part I),” 2016, `https://medium.facilelogin.com/securing-microservices-with-oauth-2-0-jwt-and-xacml-d03770a9a838`

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## Sarah Cecchetti

*Seattle, Washington, USA area*

Sarah Cecchetti is the Principal Product Manager for AWS SSO. She is a co-author of NIST Special Publication 800-63C Digital Identity Guidelines, which outlines federated authentication standards for all US federal agencies. She has served on the Board of Directors for IDPro and the OpenID Foundation. She has been named one of the top 100 influencers in identity. Sarah holds a Bachelor of Science in Physics and a Master of Science in Information Management from the University of Washington where she was a NASA Space Grant Scholar. She is also a Certified Information Security System Professional (CISSP).

### Recommendations

1. Evan Gilman and Doug Barth, *Zero Trust Networks: Building Secure Systems in Untrusted Networks* (O’Reilly Media, 2017), 240 pages, ISBN: 9781491962190
2. Dick Hardt, “Identity 2.0 Keynote,” 2005, accessed December 1, 2018, `https://www.youtube.com/watch?v=RrpajcAgR1E`
3. “National Strategy for Trusted Identities in Cyberspace,” 2011, `https://www.nist.gov/sites/default/files/documents/2016/12/08/nsticstrategy.pdf`

4. Justin Richer and Antonio Sanso, *OAuth 2 in Action* (Manning Publication, 2017), 360 pages, ISBN: 9781617293276

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## George Dobbs

*Hartford, Connecticut, USA area*

Although my day job is not currently involved directly with identity, I continue my long involvement with the subject in my role as chair of the IDPro Body of Knowledge Committee. I also am a current board member IDPro.

In previous roles I have had extensive experience in the corporate world designing and implementing both worker and customer identity systems. My most recent was in the area of so called ”proofing” - how to recognize someone at a distance. I am concerned with methods of sharing knowledge and know-how.

### Recommendations

1. Kim Cameron, *The Laws of Identity* (2005), 12 pages, `http://www.identityblog.com/stories/2005/05/13/TheLawsOfIdentity.pdf`
2. Lance J Hoffman, *Modern Methods for Computer Security and Privacy* (Prentice Hall, Inc., 1977), 234 pages

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## Mark Drummond

*Kingston, Ontario, Canada*

Mark is the Director of Identity and Access Management for the Empire Life Insurance Company in Kingston, Ontario, and a part-time undergraduate student at Queen’s University, pursuing a B.A. in Economics. ”Pursuing” in the sense of a sloth pursuing another branch in a tree, the Guiness Book of World Records is monitoring his progress closely.

After 15 odd years working with LDAP directory based identity systems, he found out there was more to the Identity game than he realized. He is super excited to be catching up to the rest of the pack, and very keen on everything happening in the decentralized and self-sovereign identity space.

He spends his in between hours riding his motorcycle, reading, and playing video games.

### Recommendations

1. Vittorio Bertocci, “Learn Identity,” 2019, accessed September 9, 2019, `https://auth0.com/docs/videos/learn-identity`

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## Ian Glazer

*Washington, DC, USA*

I am the Vice President for Identity, Privacy, and Data Governance Product Management, at Salesforce. I look after the product management team, product strategy, and identity standards work. I am also involved with major customer initiatives, briefing C-level executives, and coordinating industry-wide identity efforts.

I used to be a research vice president and agenda manager on the Identity and Privacy Strategies team at Gartner, where I oversaw the entire team's research. I got to Gartner by way of Gartner's acquisition of the Burton Group. I led the team's coverage for authorization and privacy; topics within these two main areas included externalized authorization management, XACML, federated authorization, privacy by design, and privacy programs. Other topics I researched include user provisioning, identity and access governance, access certification, role management, identity data quality, and national identity programs.

My other work experience includes program management at a financial controls and governance, risk and compliance startup, director of identity strategy at a network-based admissions control company, and product management at IBM.

I am the founder and president of IDPro, the professional organization for digital identity management. I have previously served as the Editor for the Identity Relationship Management Working Group at the Kantara Initiative. I was a founding member of the Management Council and Board of Directors for the US Identity Ecosystem Steering Group (IDESG) - the private-sector lead body described in the US National Strategy for Trusted Identities in Cyberspace.

During my decade-plus time in the identity industry I have co-authored a patent on federated user provisioning, co-authored the Service Provisioning Markup Language (SPML) Version 2 specification, contributed to the System for Cross Domain Identity Management (SCIM) Version 2 specification, and am a noted blogger, speaker, and photographer of my own socks.

I graduated from the University of Pennsylvania cum laude with a Bachelors of Applied Science in Computer Science. I studied artificial intelligence at the University of Edinburgh. I currently reside in Washington DC.

### Recommendations

1. John Henry Clippinger, *A Crowd of One: The Future of Individual Identity* (New York: PublicAffairs, 2007), 240 pages, ISBN: 9781586483678
2. Richer and Sanso, *OAuth 2 in Action*

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## Salman (Shaq) Haq

*Mclean, Virgina, USA area*

Salman (Shaq) Haq is a digital identity technologist currently working at a major financial institution as a CIAM product manager.

In his current role he is responsible for providing a secure and intuitive authentication experience for his customers. Previous stints include an identity platform startup and a registry services provider.

**Recommendations**

1. Phillip J Windley, *Digital Identity: Unmasking Identity Management Architeture (IMA)* (O'Reilly Media, 2005), 266 pages, ISBN: 9780596008789

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## Andi Hindle

*Oxfordshire, UK*

Andrew (Andi) Hindle is an independent consultant currently focusing on Digital Identity and Privacy. Since 2015 he has been Content Chair for Identiverse. He is a founding member of IDPro, serving on the Board and chairing the Newsletter Committee. Andi is also a member of OIX and of Kantara, where he has been active for several years as a voting member in the UMA WG.

Andi's background is in technical marketing and business development. Prior to developing the European and Asia Pacific businesses for Ping Identity, he held a variety of roles with Adobe, Macromedia, and Allaire (during which time he co-authored a book on ColdFusion development, in case anyone is still around who remembers CFML...!) Andi holds a BA in Oriental Studies (Japanese) from Oxford University and maintains CIPP/E and CIPM certifications from the IAPP. Outside of work, Andi is active in UK Scouting as Assistant Group Scout Leader for his local scout group, and privacy advisor to Oxfordshire Scouting.

In what spare time he has left, he can be found cycling (on a road, not on trails); playing a guitar (badly), a keyboard (less badly but not well) or a Bassoon (yes, really); or enjoying a dram or two of whisk(e)y... though not usually at the same time.

**Recommendations**

1. Bertrand Carlier, "Demystifying UMA 2.0," 2018, accessed October 9, 2018, `https://www.riskinsight-wavestone.com/en/2018/09/demystifying-uma2/`
2. Geoffrey A Moore, *Crossing the Chasm*, 3rd (HarperCollins Publishers, 2014), 290 pages, ISBN: 0062292986

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## Steve Hutchinson

*Richmond, Virginia, USA area*

I am the Principal Cybersecurity Architect for GE Digital. After cutting my teeth in C/C++ software development and network engineering, I spent a decade as an enterprise architect in the healthcare sector focused on security and network technologies. In my current role at GE, I am responsible for strategy of one of the largest corporate identity infrastructures in the world and I oversee its evolution to provide the next generation of identity services required for GE's "Industrial Internet." I am a founding member of IDPro and honored to sit on the inaugural Board focused on community development, which has always been one of my passions. If you're ever in Richmond, Virginia,

on a Wednesday night, drop me a note for an invite to our biweekly backyard get-together.

**Recommendations**

1. David Birch, *Identity is the New Money* (London Publishing Partnership, 2014), 128 pages, ISBN: 9781907994364
2. Thomas Hardjono, David Shrier, and Alex Pentland, eds., *Trust::Data: A New Framework for Identity and Data Sharing* (VisionaryFuture, 2016), 312 pages, ISBN: 9781539114215
3. Saryu Nayyar, *Borderless Behavior Analytics: Who's Inside? What're They Doing?*, 2nd (CreateSpace Independent Publishing Platform, 2017), 424 pages, ISBN: 9781535152655
4. Richer and Sanso, *OAuth 2 in Action*
5. Michael Schwartz and Maciej Machulak, *Securing the Perimeter: Deploying Identity and Access Management with Free Open Source Software* (Apress, 2018), 396 pages, ISBN: 9781484226001

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## Rainer Hörbe

*Vienna, Austria*

I have been working as a contractor on IDM projects since 2001, and continue to enjoy this field. Besides the work in federated and enterprise IDM I engage in standardization and run the annual Trust and Internet Identity Meeting Europe (TIIME).

**Recommendations**

1. Radovan Semančík, "Practical Identity Management with midPoint," chap. Understanding Identity and Access Management, 1.1 (Evolveum, 2016), `https://evolveum.com/midpoint/midpoint-guide-about-practical-identity-management/`

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## André Koot

*Amsterdam, Netherlands area*

André is IAM and Security Consultant at Nixu Benelux and is the IAM Internal Practice Lead within Nixu.

My IAM experience comes from my financial accounting and auditing background. This background of anti-fraud detection and prevention business processes led to research in the area of authorization principles. Currently I am working with different customers on federated identity and access architectures, both for internal and external identities (B2C, B2B, B2E and T2B - Things to Business). My motivation to participate in the IDPro BoK project stems directly from my need to share knowledge as a lecturer, author, blogger, and social media activist. And from my mission to take infosec out of the realm of IT.

**Recommendations**

1. Cameron, *The Laws of Identity*
2. Hardt, "Identity 2.0 Keynote"
3. Jim Harper, *Identity Crisis: How Identification is Overused and Misunderstood* (Cato Institute, 2006), 250 pages, ISBN: 9781930865846
4. Graham Williamson, *Identity Management:A Business Perspective* (MC Press Online, LLC, 2017), 245 pages, ISBN: 9781583474990

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## Corey Scholefield

*Victoria, British Columbia, Canada area*

Corey is currently a Technical Product Owner with Workday, and coordinates tool deployment to support Workday's cloud-ERP suite. Corey has a background in public-sector identity-management, having spent over 15 years working in higher-education, with positions at both University of Victoria and BCNET in British Columbia, Canada.

At BCNET, Corey led a federated-identity service bureau which supported regional adoption of eduroam and SAML capabilities under the umbrella of the the Canadian Access Federation. At UVic, Corey's team established an identity-management program that supported campus-wide access-management needs. Corey has deployed many IDAM technologies including OpenLDAP, CAS SSO, Sun IDM, Shib IDP, and SailPoint IdentityIQ.

**Recommendations**

1. Keith Hazelton and David Walker, "The CIC Cloud Services Cookbook," 2015, `https://carmenwiki.osu.edu/display/CICIDM/The+CIC+Cloud+Services+Cookbook`
2. Ganesh Prasad and Umesh Rajbhandari, *Identity Management on a Shoestring* (2012), `https://www.infoq.com/minibooks/Identity-Management-Shoestring`
3. Windley, *Digital Identity*

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## Graham Williamson

*Brisbane, Queensland, Australia*

Graham Williamson is an IAM consultant working with commercial and government organizations for over 20 years with expertise in identity management and access control, enterprise architecture and services-oriented architecture, electronic commerce and public key infrastructure, as well as ICT strategy development and project management. Graham has undertaken major projects for commercial organizations such as Cathay Pacific in Hong Kong and Sensis in Melbourne, academic institutions in Australia such as Monash University and Griffith University, and government agencies such as Queensland Government CIO's office and the Northern Territory Government in Australia and the Ministry of Home Affairs in Singapore. Graham holds an electrical engineering degree from the University of Toronto and a Master of Business Administration from Bond University. As a member of the

IDPro Body of Knowledge Committee, he looks forward to helping create the definitive body of knowledge for the IAM sector.

**Recommendations**

1. “Trusted Digital Identity Framework,” 2018, https://www.dta.gov.au/our-projects/digital-identity/join-identity-federation/accreditation-and-onboarding/trusted-digital-identity-framework
2. “NIST Special Publication 800-63C, Digital Identity Guidelines,” 2017, doi:https://doi.org/10.6028/NIST.SP.800-63c, https://pages.nist.gov/800-63-3/sp800-63c.html
3. Williamson, *BusinessPerspective*

# Bibliography

Bertocci, Vittorio. “Learn Identity.” 2019. Accessed September 9, 2019. https://auth0.com/docs/videos/learn-identity.

This series of videos, hosted by Auth0, are an excellent introduction to some of the details of the OAuth 2.0 and OpenID Connect protocols, and how they are implemented. The target audience is an experienced developer or identity professional who is relatively new to OAuth 2.0 and OpenID Connect.
A note about vendor independence: For the most part, these videos do not mention Auth0, with the exception of the first video, “Introduction to Identity”, where Auth0’s offering is given a bit of a general overview. The first video can likely be skipped without loss.
— Mark Drummond

———. “OAuth2 Implicit Grant and SPA.” 2019. https://auth0.com/blog/oauth2-implicit-grant-and-spa/.

The blog post goes on details on why the revised Best Current Practices recently deprecated the OAuth2 Implicit Grant with pros and cons without being too extreme nor alarmist on a backlog of already deployed apps with implicit grant to care about.
— Bertrand Carlier

Birch, David. *Identity is the New Money*. 128 pages. London Publishing Partnership, 2014. ISBN: 9781907994364.

I purchased this book shortly after its release after reading one of David Birch’s online posts about the rise of social identity in parallel to the decline of cash in our modern world. He begins with a synopsis of how broken our definitions of ‘identity’ are and focuses on three primary types: personal individual identity, social identity, and legal identity. Of these, he singles out social identity (which he differentiates from social media) with the observation that “identity is returning to a concept built on networks, rather than index cards in a filing cabinet.” The book is also loaded with real-world case studies to highlight and support David’s conclusions. Even those seasoned professionals who feel that there’s little more to learn from a book will find important insights here that have certainly shaped my own view on the future of identity, identity systems, and the frameworks that support them.
— Steve Hutchinson

Cameron, Kim. *The Laws of Identity*. 2005. 12 pages. http://www.identityblog.com/stories/2005/05/13/TheLawsOfIdentity.pdf.

If you want to understand why coping with a digital identity is so hard, you need to learn about the Laws of Identity. It is such a fundamental piece of writing, that major topics are now part of GDPR.
— André Koot

Love the careful use of language. For example, distinguishing between claims and assertions based on the connotation or note of doubt. How sad that 2005 era vision of user control and consent has not yet been universally accepted in 2018. In 2018 this document still provides a powerful framework for thought about identities.
— George Dobbs

Carlier, Bertrand. "Demystifying UMA 2.0." 2018. Accessed October 9, 2018. https://www.riskinsight-wavestone.com/en/2018/09/demystifying-uma2/.

Good overview article on the UMA 2.0 profile of OAuth, which very helpful highlights the added capabilities that UMA affords relative to 'vanilla' OAuth.
— Andi Hindle

Clippinger, John Henry. *A Crowd of One: The Future of Individual Identity*. 240 pages. New York: PublicAffairs, 2007. ISBN: 9781586483678.

Less on the pragmatic and more on the philosophical end of the spectrum, Clippinger's work lays highlights some of a questions our industry must face. Although a bit dated, A Crowd of One is still worth a read, if only to help trigger "big thoughts" on identity.
— Ian Glazer

Gilman, Evan, and Doug Barth. *Zero Trust Networks: Building Secure Systems in Untrusted Networks*. 240 pages. O'Reilly Media, 2017. ISBN: 9781491962190.

This is an excellent primer on strong authentication techniques. Don't let the word "networks" in the title fool you. This is about securing systems using methods other than networks - namely, identity, device, and application management.
— Sarah Cecchetti

Hardjono, Thomas, David Shrier, and Alex Pentland, eds. *Trust::Data: A New Framework for Identity and Data Sharing*. 312 pages. VisionaryFuture, 2016. ISBN: 9781539114215.

A wonderful academic discussion on the need for our identity and data security systems to adapt to a world that has moved from a physical document-based culture to one built on digital transactions. The book includes in-depth examinations of user centricity, data privacy, distributed trust authorities, universal access, and many other topics. It also includes some possible solutions (such as MIT's OPAL/ENIGMA systems). The solutions presented are more reliant on blockchain than I care for but followers of UMA will see much in here familiar and well presented. You may not agree with everything in the book but it superbly researched and documented. The 20-page bibliography alone is worth the price of admission as it allows you to delve deeper into specific topics with the source material.
— STEVE HUTCHINSON

Hardt, Dick. "Identity 2.0 Keynote." 2005. Accessed December 1, 2018. `https://www.youtube.com/watch?v=RrpajcAgR1E`.

Although an old video, still worthwhile: the keynote about "Identity 2.0". This presentation (great style, by the way) shows that we still have a long way to go to enable access.
— ANDRÉ KOOT

This keynote has inspired a generation of identity professionals, and highlights many deep problems with current identity infrastructure (like a lack of pervasive zero-knowledge proofs) that still exist today.
— SARAH CECCHETTI

Harper, Jim. *Identity Crisis: How Identification is Overused and Misunderstood*. 250 pages. Cato Institute, 2006. ISBN: 9781930865846.

I really love the subtitle. We should care more about Access, than about Identity. Especially in federated contexts, identity is no longer the bearer of authorizations. Jim explains the concept of identity and the context identities can be used in. And why you don't always need to be identified to be able to use a resource. Required reading for all Identity Professionals!
— ANDRÉ KOOT

Hazelton, Keith, and David Walker. "The CIC Cloud Services Cookbook." 2015. `https://carmenwiki.osu.edu/display/CICIDM/The+CIC+Cloud+Services+Cookbook`.

A great reference coming from the higher-Ed space on SAML SSO integrations, written in a very compelling DO and DON'T format. Many great lessons-to-learn from this one, on many topics in the identity and access management space.
— COREY SCHOLEFIELD

Hoffman, Lance J. *Modern Methods for Computer Security and Privacy*. 234 pages. Prentice Hall, Inc., 1977.

It is interesting how much the world has changed since this book came out. And it is also interesting how much is still relevant. Sure, you can smirk at some of the examples, such as a line speed of 600 characters per minute! However, the text does a good job of the basics on Authentication and Authorization - many of the considerations have remained the same. Although, to be fair, this book predates public key technology and packet switched networks were not yet widely adopted. Chapter 5 is an excellent introduction to ciphers leading up to the P-boxes and S-boxes used Data Encryption Standard. Good background for more modern crypto! There is also a long bibliography of historical interest.
— George Dobbs

Moore, Geoffrey A. *Crossing the Chasm*. 3rd. 290 pages. HarperCollins Publishers, 2014. ISBN: 0062292986.

If you work in a startup, this book is pretty much required reading. It's tremendously helpful to understand how and why to make the product and business decisions needed to have a decent chance at longer term success. And if you are not the one making the decisions, it's useful to understand the wider context when those decisions get made and impact you. Moore published an updated versino in 2014; and it's also worth looking at the follow-up book 'Into the Tornado'
— Andi Hindle

"National Strategy for Trusted Identities in Cyberspace." 2011. `https://www.nist.gov/sites/default/files/documents/2016/12/08/nsticstrategy.pdf`.

This paper was produced by the US Government during the Obama administration and outlines in basic English why the United States does not want to have a central government directory or a central government identity provider. It speculates as to how government could enable the private sector to fill that gap in very smart and innovative ways that protect citizen privacy and prevent government overreach.
— Sarah Cecchetti

Nayyar, Saryu. *Borderless Behavior Analytics: Who's Inside? What're They Doing?* 2nd. 424 pages. CreateSpace Independent Publishing Platform, 2017. ISBN: 9781535152655.

This is one of my new favorite books in the identity and cybersecurity space. Saryu has brought together insights from over a dozen CISOs and CIOs give their views on the state of cybersecurity in the age of zero trust. The common thread in all of their perspectives is "the amplified view of the value of identity and access." I love the book not only because it covers a wide array of identity topics but because it is visionary in its view of what's important now and in the immediate future. I particularly appreciate that, in the end, Saryu takes the input of those contributing security professionals and uses them to provide clear requirements and use cases for what's next: such things as Predictive Security Analysis, Identity Analytics, and User and Entity Behavior Analytics. A fantastic read for any security and/or identity professional.

— Steve Hutchinson

"NIST Special Publication 800-63C, Digital Identity Guidelines." 2017. doi:https://doi.org/10.6028/NIST.SP.800-63c. https://pages.nist.gov/800-63-3/sp800-63c.html.

NIST provides a succinct summary or access control issues and is considered a seminal publication to guide IAM strategy and deployment.
— Graham Williamson

Prasad, Ganesh, and Umesh Rajbhandari. *Identity Management on a Shoestring*. 2012. https://www.infoq.com/minibooks/Identity-Management-Shoestring.

In some contexts, IDAM middleware doesn't get much love. And sometimes, not much budget. In those cases, take some tips from these authors as they assemble an admirable collection of open-source technologies, and an identity-management architecture (IMA) for enterprise. A great read, recommended to me by a respected IDAM colleague.
— Corey Scholefield

Richer, Justin, and Antonio Sanso. *OAuth 2 in Action*. 360 pages. Manning Publication, 2017. isbn: 9781617293276.

OAuth is a very powerful tool. Its power comes from its flexibility. Flexibility often means the ability to not only do what you want to do, but also the ability to do things in an unsafe way. Because OAuth governs access to APIs, which in turn gates access to your important data, it's crucial that you do use it in a safe way by avoiding antipatterns and using best practices. Stated differently, just because you have the flexibility to do anything and deploy in any way, doesn't mean that you should.
Thankfully, Justin and Antonio provide pragmatic guidance on what to do and what not to do. They acknowledge both the "I just want to get this done" and the "I want to make sure this is secure" mindsets you have.
(Full disclosure... I wrote the Foreword for the book)
— Ian Glazer

This is a textbook on the theory and intent behind OAuth and OpenID Connect. It includes not only history and reasoning behind the development of these standards, but also easy tutorials and sample code allowing the reader to build his own providers and clients in an afternoon. Highly recommended.
— Sarah Cecchetti

This is not only the most comprehensive book available about OAuth but it is also the most accessible, which is a neat trick to pull off. Justin and Antonio expertly guide the reader by providing an overview of what OAuth is by talking about why it came to be and what it was meant to solve. They describe the flow between all of the different players in the framework followed by dedicated chapters for each one of those participants before presenting the reader with more advanced topics. One of those is easily the best description ever written about dynamic client registration, which I have referred to many times in our own implementation. As a cybersecurity architect, I particularly appreciate the 50 pages of detailed discussion about common vulnerabilities of different parts of the system. It's a fantastic resource that you'll not only refer to again and again, but also a resource to lend to those new identity professionals that you're trying to grow.
— Steve Hutchinson

Schwartz, Michael, and Maciej Machulak. *Securing the Perimeter: Deploying Identity and Access Management with Free Open Source Software*. 396 pages. Apress, 2018. ISBN: 9781484226001.

Mike Schwartz and Maciej Machulak have done an admirable job in creating a primer on identity management that can be used by both professionals who are new to the IAM field as well as those in other fields who just want to understand the IAM space better and/or to discern how IAM services interact with their own. The authors start with the most basic concepts of IAM and step the reader through to more complex subjects: LDAP to SAML to OAuth to OpenID Connect, etc.. Where this book differentiates itself from other works is its inclusion of Free Open Source Software (FOSS) that is available for each use case to allow the reader to build their own IAM systems to put the principles into practice. I also appreciate that the authors reached out to industry experts to review the more recent advances like FIDO, WebAuthN, and UMA. A great addition to any company's library of material for new identity professionals.
— Steve Hutchinson

Semančík, Radovan. "Practical Identity Management with midPoint." Chap. Understanding Identity and Access Management, 1.1. Evolveum, 2016. `https://evolveum.com/midpoint/midpoint-guide-about-practical-identity-management/`.

This well-written primer on enterprise IAM explains the key concepts and solutions of identity and access management in plain words. While part of a book on a specific product, this chapter is most useful to anybody desining, or implementing IAM solutions.
— Rainer Hörbe

Siriwardena, Prabath. "Securing Microservices (Part I)." 2016. `https://medium.facilelogin.com/securing-microservices-with-oauth-2-0-jwt-and-xacml-d03770a9a838`.

This is a nice introduction to the topic of API and microservices security, and the challenges that it can pose: call chains, scopes limitation, token format, token lifecycle/expiration, etc.
— Bertrand Carlier

"Trusted Digital Identity Framework." 2018. `https://www.dta.gov.au/our-projects/digital-identity/join-identity-federation/accreditation-and-onboarding/trusted-digital-identity-framework`.

The TDIF defines the requirements for a complete identity and access management deployment. It is over-the-top for most organizations but provides useful reference material.
— Graham Williamson

Williamson, Graham. *Identity Management:A Business Perspective*. 245 pages. MC Press Online, LLC, 2017. ISBN: 9781583474990.

Graham's book can be seen as a complete overview of the Identity and Access Management playing field. It shows not only the broad field of IAM, from internal B2E and B2B to B2C, but it also covers modern not directly identity management oriented topics like Industrial Control Systems. It's a well written book, covering more than Identity and Access alone, containing lots of examples and use cases, but I feel that a glossary explaining terms and abbreviations could help the target group of business managers and CIO's.
— André Koot

It was written to help business people understand IAM, the trends and the responsibilities of those collecting, using and storing identity data.
— Graham Williamson

Windley, Phillip J. *Digital Identity: Unmasking Identity Management Architeture (IMA)*. 266 pages. O'Reilly Media, 2005. ISBN: 9780596008789.

I've used Phil's resource before in several contexts, including: a) Course textbook for an online course in enterprise identity management b) Selecting some chapters as "homework assignments" for newcomers to our IDAM Team c) Educating decision-makers on the governance aspects of identity management in enterprise.
His chapter 15 example of an Identity Management Maturity (IMM) model is outstanding.
— Corey Scholefield

This book starts with the basics of digital identity - what you know, what you have, what you are. From there it provides a broad overview of many important concepts. It is an accessible book and caters to beginner and expert readers alike and best of all, it can be read cover to cover in one sitting.
— Salman (Shaq) Haq