



# Hyperledger Project Wiki

## Use Case Inventory

This is a working document of the Hyperledger Requirements Working Group (WG).

### Status Definitions

For the use cases, the point-in-time status represents the degree of completion as gauged against the use case template.

Status	Definition
TBD, or Placeholder	Empty, please add some information to get us started for ideas to develop into use cases
Raw, or Free-form Text	Free text notes on a use-case - does not follow the <u>use-case-template</u> and/or the [template Use-Case-Template) not yet applied.
In development	Use-cases have moved to the template, but no sections are completed. Use cases follow the [template Use-Case-Template) with the Intro, user stories, States and Transitions being developed.
Milestone 1	Section 1 (Intro) and Section 2 (States and Transitions) of the template are complete. Section 1 'Intro' and Section 2 'States and Transitions' are complete.
Milestone 2	Sections 1, 2, and 3 (Requirements) of template are complete. Sections 1, 2 and 3 'Requirements' are complete

### Inventory

Category	Use Case	Contributor(s)	Status	Status As-of Date	Notes	Alternate Categorization(s)
Capital Markets	Credit Default Swaps		Free-form Text	2016-11-14		
Capital Markets	<u>Custody</u>		Free-form Text	2016-11-14	Align/reconcile with Asset Depository use case	

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Capital Markets	<u>Syndicated Loan</u>		Free-form Text	2016-11-14		Financial Services
Capital Markets	Trade Capturing	David Boadita	Free-form Text	2016-11-14		
Capital Markets	<u>Trade Finance Letter of Credit</u>		Free-form Text	2016-11-14		
Capital Markets	<u>Corporate Action</u>	Frank Lu	In Development	May 22 2016	Align/reconcile with corp action demo's requirements	
Capital Markets	Equity Contracts	Oleg Abdrashitov, Stan Lierbman	In Development			
Capital Markets	Asset Depository	Oleg Abdrashitov, Frank Lu	Milestone 1	May 22 2016		
Capital Markets	Currency Swap	Oleg Abdrashitov	Milestone 1	May 22 2016		
Capital Markets	Interest Rate Swap	Oleg Abdrashitov	Milestone 1	May 22 2016		
Capital Markets	<u>Post Trade - Settlement - Delivery versus Payment (DvP)</u>	Jeremy Severeid	Milestone 1	2016-11-14		
Capital Markets	<u>Client Onboarding Of Institutional Customers Into Investment Banks</u>		Placeholder	2016-11-14		Identity Management, Government / Legal / Regulatory
Capital Markets	Commodities		Placeholder	2016-11-14		Supply Chain / Logistics

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Capital Markets	Fixed Income		Placeholder	2016-11-14		
Capital Markets	Foreign Exchange	Oleg Abdrashitov, SaRose Dass	Placeholder	2016-11-14		
Capital Markets	Gold Bullion Title And Trading		Placeholder	2016-11-14		Supply Chain / Logistics
Capital Markets	Money Markets		Placeholder	2016-11-14		
Capital Markets	<u>OTC Bond Options</u>		Placeholder	2016-11-14		
Capital Markets	<u>OTC MBS Options</u>		Placeholder	2016-11-14		
Capital Markets	<u>Trade Matching Smart Contracts</u>		Placeholder	2016-11-14		
Capital Markets	US 144a Style Private Shares		Placeholder	2016-11-14		Government / Legal / Regulatory
Capital Markets	US Treasury Repos Sovereign Bond Repurchase Agreements		Placeholder	2016-11-14		Government / Legal / Regulatory
Financial Services	<u>Financial Reference Data</u>		Free-form Text	2016-11-14		Capital Markets
Financial Services	<u>Micro Lending</u>		Free-form Text	2016-11-14		
Financial Services	<u>Payments - interbank</u>	Jatinder Bali	Free-form Text	2016-11-14		Wholesale Banking
Financial Services	Credit Cards		Placeholder	2016-11-14		Payments, Retail

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Financial Services	Cross Border Remittances		Placeholder	2016-11-14		Government / Legal / Regulatory
Financial Services	Escrow		Free-form Text	2016-11-14		Legal, Property / Supply
Government / Legal / Regulatory	<u>Citizen ID Tracking</u>	Jonathan Mohan	Free-form Text	2016-11-14		
Government / Legal / Regulatory	Global KYC Database	Oleg Abdrashitov, SaRose Dass	Free-form Text			
Government / Legal / Regulatory	<u>Property Ownership</u>	Jonathan Mohan	In Development	2016-11-14		Property/Supply
Government / Legal / Regulatory	<u>Charity</u>		Placeholder	2016-11-14		Non-Profit / Non-Governmental Organization (NGO)
Government / Legal / Regulatory	Commonwealth Countries Shared Id System		Placeholder	2016-11-14		Identity Management
Government / Legal / Regulatory	Cross Border Capital Controls		Placeholder	2016-11-14		Identity Management, Financial Services, Capital Markets
Government / Legal / Regulatory	Cross Border Data Transfer		Placeholder	2016-11-14		Identity Management
Government / Legal / Regulatory	Fair Trade and Fair Labor Supply Chain		Placeholder	2016-11-14	Align/reconcile with certification use case	Identity Management
Government / Legal / Regulatory	Federation Lifecycle		Placeholder	2016-11-14		Identity Management

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Government / Legal / Regulatory	ICANN / TLD / DNS		Placeholder	2016-11-14	Align with Identity WG potential work item on multi-country rule structure	Identity Management
Government / Legal / Regulatory	Identity Theft		Placeholder	2016-11-14		Identity Management
Government / Legal / Regulatory	Key Management Private Key Loss		Placeholder	2016-11-14		Identity Management
Government / Legal / Regulatory	One Entity One Vote		Placeholder	2016-11-14		Identity Management
Government / Legal / Regulatory	Panama Papers		Placeholder	2016-11-14		Identity Management
Government / Legal / Regulatory	Property Titles and Land Records		Placeholder	2016-11-14	Align/reconcile with property ownership use case	Property/Supply
Government / Legal / Regulatory	Right To Be Forgotten		Placeholder	2016-11-14	See <a href="https://lists.hyperledger.org/pipermail/hyperledger-technical-discuss/2016-November/000419.html">https://lists.hyperledger.org/pipermail/hyperledger-technical-discuss/2016-November/000419.html</a> [ <a href="https://lists.hyperledger.org/pipermail/hyperledger-technical-discuss/2016-November/000419.html">https://lists.hyperledger.org/pipermail/hyperledger-technical-discuss/2016-November/000419.html</a> ]	Identity Management
Government / Legal / Regulatory	Right To Participate		Placeholder	2016-11-14	Tag Along / Drag Alone Buy-out Clauses(?)	Identity Management
Government / Legal / Regulatory	RSA - The Firm Getting Hacked		Placeholder	2016-11-14		Identity Management
Government / Legal / Regulatory	Secure Hardware		Placeholder	2016-11-14		Identity Management

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Government / Legal / Regulatory	SWIFT - Bangladesh Unauthorized Transfer		Placeholder	2016-11-14		Sanctions, Identity Management, Financial Services, Payments
Government / Legal / Regulatory	SWIFT - Ukraine Crisis Sanctions		Placeholder	2016-11-14		Sanctions, Identity Management, Financial Services, Payments
Government / Legal / Regulatory	Voting		Placeholder	Aug 04 2016	Align/reconcile with one entity, one vote and corporate actions	
Healthcare / Medical	Clinical Trial Results	Vikram Dhillon	In Development	2016-11-14		
Healthcare / Medical	<u>Counterfeit drug prevention and detection</u>	Primrose Mbanefo	In Development	2016-11-14		Supply Chain / Logistics, Government / Legal / Regulatory
Healthcare / Medical	<u>Electronic Health Records</u>	Patrick Holmes	Placeholder	2016-11-14		
Internet of Things	<u>Internet of Things</u>	Patrick Holmes	Placeholder	2016-11-14		
Publishing	<u>Sensitive Record Tracking</u>		Free-form Text	2016-11-14		Government / Legal / Regulatory
Publishing	<u>Music Publishing</u>	Joe Conyers and Alex Kane of Songtrust	In Development	2016-11-14		Legal / Provenance
Supply Chain / Logistics	<u>Luxury Goods Tracking</u>		Free-form Text	2016-11-14		Property / Supply
Supply Chain / Logistics	Shipping Manifests		In Development	2016-11-14	Align/reconcile with IoT use case	Property / Supply

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Supply Chain / Logistics	<u>Supply Chain Logistics</u>	Clive Boulton	In Development	2016-12-02	Align/reconcile certification sub use case with KYC settlement use case	Property / Supply / Certification
Supply Chain / Logistics	Diamonds Physical Identity And Title		Placeholder	2016-11-14	Align/reconcile with luxury goods tracking use case	Government / Legal / Regulatory
Travel / Hospitality	Airline Miles	Stuart Evans	In Development	May 31 2016		Government / Tourism / Behavior Incentification / Relationship Value Optimization

## Pre-wiki document history

Document Versioning			
	Author	Date	Description
	Jeremy Sevoreid	Sep 21 2016	Use Case Inventory - Added DvP use case link
	Jeremy Sevoreid	Aug 04 2016	Created spreadsheet from wiki page and migrated some sections as versions below. <a href="https://github.com/hyperledger/hyperledger/wiki/Reformatted-Use-Case-Dashboard">https://github.com/hyperledger/hyperledger/wiki/Reformatted-Use-Case-Dashboard</a> <a href="https://github.com/hyperledger/hyperledger/wiki/Reformatted-Use-Case-Dashboard">[https://github.com/hyperledger/hyperledger/wiki/Reformatted-Use-Case-Dashboard]</a>
	Jeremy Sevoreid	May 24 2016	This is a refactoring of the inventory of use cases, their statuses, and active editors as of Wednesday 25-May-2016. This is suggested as an alternative format for the dashboard, but keeping the content the same:
			Drop-in update for the current Use Case Development Dashboard
			Replacement for use-cases listing sections of the Requirements Working Group main page
			Retirement of following pages already proposed for deprecation
			Use Cases Index

			Identity WG Use Cases Inventory
	Jeremy Sevareid	May 24 2016	Status Definitions
			For the use cases above, the status represents the degree of completion as gauged against the use case template:
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	Jeremy Sevareid	May 25 2016	As of 2016-May-26, the status of this current list is:
			DRAFT and in no way final, complete nor sufficient
			Not-yet-reconciled with the use case pages within this wiki
			Not-yet-rationalized down to core use cases
			Not-yet-peer-reviewed
			References



			Some of the use cases are expected to be relevant to identity management for Hyperledger. The deprecated page that some of them came from is <a href="https://github.com/hyperledger/hyperledger/wiki/Identity-WG---Use-Cases-Inventory/_edit">https://github.com/hyperledger/hyperledger/wiki/Identity-WG---Use-Cases-Inventory/_edit</a> <a href="https://github.com/hyperledger/hyperledger/wiki/Identity-WG---Use-Cases-Inventory/_edit">[https://github.com/hyperledger/hyperledger/wiki/Identity-WG---Use-Cases-Inventory/_edit]</a>   That was based, in turn, on notes from the Identity WG meeting held at the DTCC in the NYC area on May 5th, 2016.
			Some of the use cases draw upon the Beyond Bitcoin graphic accompanying the Bloomberg article, “Blythe Masters Tells Banks the Blockchain Changes Everything.” <a href="http://www.bloomberg.com/news/features/2015-09-01/blythe-masters-tells-banks-the-blockchain-changes-everything">http://www.bloomberg.com/news/features/2015-09-01/blythe-masters-tells-banks-the-blockchain-changes-everything</a> <a href="http://www.bloomberg.com/news/features/2015-09-01/blythe-masters-tells-banks-the-blockchain-changes-everything">[http://www.bloomberg.com/news/features/2015-09-01/blythe-masters-tells-banks-the-blockchain-changes-everything]</a>