

# Open Source Bitcoin vs Hyperledger Blockchains

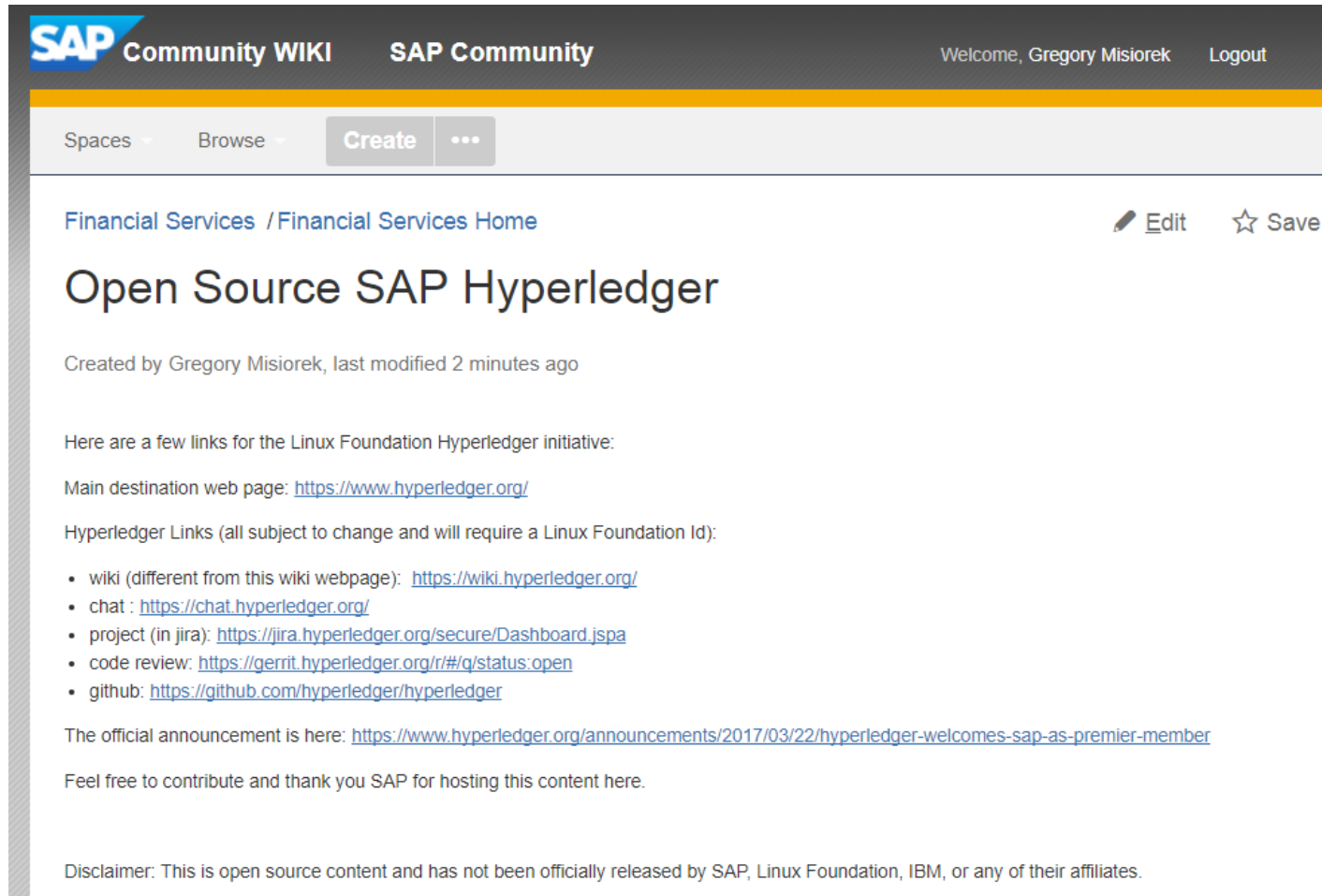
What's in it for a SAP Practitioner

@greg\_not\_so@hotmail.com)

Member @ BIS LLC

*It was the best of times, it was the worst of times, it was the age of wisdom,  
it was the age of foolishness...*

# What's the most open source in SAP today?



The screenshot shows the SAP Community Wiki interface. At the top, there's a dark header with the SAP logo, 'Community WIKI', and 'SAP Community'. On the right, it says 'Welcome, Gregory Misiorek' and 'Logout'. Below this is a navigation bar with 'Spaces', 'Browse', 'Create', and a menu icon. The main content area has a breadcrumb 'Financial Services / Financial Services Home' and 'Edit'/'Save' icons. The title is 'Open Source SAP Hyperledger'. Below the title, it says 'Created by Gregory Misiorek, last modified 2 minutes ago'. The text reads: 'Here are a few links for the Linux Foundation Hyperledger initiative: Main destination web page: <https://www.hyperledger.org/> Hyperledger Links (all subject to change and will require a Linux Foundation Id):' followed by a bulleted list of links for wiki, chat, jira, code review, and github. It then mentions an official announcement link and a closing sentence: 'Feel free to contribute and thank you SAP for hosting this content here.' A disclaimer at the bottom states: 'Disclaimer: This is open source content and has not been officially released by SAP, Linux Foundation, IBM, or any of their affiliates.'

SAP Community WIKI SAP Community Welcome, Gregory Misiorek Logout

Spaces Browse Create ...

Financial Services / Financial Services Home Edit Save

## Open Source SAP Hyperledger

Created by Gregory Misiorek, last modified 2 minutes ago

Here are a few links for the Linux Foundation Hyperledger initiative:

Main destination web page: <https://www.hyperledger.org/>

Hyperledger Links (all subject to change and will require a Linux Foundation Id):

- wiki (different from this wiki webpage): <https://wiki.hyperledger.org/>
- chat : <https://chat.hyperledger.org/>
- project (in jira): <https://jira.hyperledger.org/secure/Dashboard.jspa>
- code review: <https://gerrit.hyperledger.org/r/#/q/status:open>
- github: <https://github.com/hyperledger/hyperledger>

The official announcement is here: <https://www.hyperledger.org/announcements/2017/03/22/hyperledger-welcomes-sap-as-premier-member>

Feel free to contribute and thank you SAP for hosting this content here.

Disclaimer: This is open source content and has not been officially released by SAP, Linux Foundation, IBM, or any of their affiliates.

<https://wiki.scn.sap.com/wiki/display/SAPFS/Open+Source+SAP+Hyperledger>


# What's open source in Bitcoin?






- ▶ Mysterious Origins (SN White Paper: <https://bitcoincore.org/bitcoin.pdf>)
- ▶ Github presence: <https://github.com/bitcoin/bitcoin>
- ▶ BIPs - Bitcoin Improvement Proposals
- ▶ Mail lists: <https://lists.linuxfoundation.org/pipermail/bitcoin-dev/2017-November/date.html>
- ▶ Exchange wallets or cloud financial services - too many to list
- ▶ Local wallets
  - ▶ Your hard drive and everyone's blockchain
  - ▶ Offline (lightweight) wallet






# What's open source in Hyperledger?

- ▶ Sponsored by IT companies - mostly IBM
- ▶ Github presence: <https://github.com/hyperledger/hyperledger>
- ▶ FABs or fabric (improvement proposals?)
- ▶ Mail lists: <https://lists.hyperledger.org/pipermail/hyperledger-fabric/2017-November/date.html>
- ▶ Playgrounds and sandboxes: <http://composer-playground.mybluemix.net/login>
- ▶ Private financial services cloud - too many to list here
- ▶ Nothing to do with bitcoin and everything to do about #blockchain

# SAP Participation - Leonardo?

 **HYPERLEDGER**

[About](#) [Members](#) [Projects](#) [Community](#) [Industries](#) [News & Events](#) [Blog](#)     

 72  
  
  
  
 1

## Hyperledger Welcomes SAP as Premier Member

By Hyperledger | March 22, 2017 | Announcements

---

*Business software and cloud services giant invests in open blockchain project to advance enterprise-grade distributed ledger technology*

**SAN FRANCISCO, CA – (March 22, 2017)** – Hyperledger, a collaborative cross-industry effort created to advance blockchain technology, announced today that SAP SE (NYSE: SAP) has joined as a Premier member. As part of SAP's Premier membership, Dominik Heere, Vice President, Innovation Engineering, SAP Innovation Center Network, will represent the company on the Hyperledger Governing Board.

# IT Industry Participation

 **Featured  
Upcoming Event**

**Sibos 2017 · Monday, October 16 – Thursday, October 19 · Toronto, Canada**

Engage with Hyperledger onsite at Sibos 2017 at Booth A01. We have a robust line-up of talks, demos, and an evening reception.

## Business Blockchain Frameworks Hosted with Hyperledger

### Burrow

Hyperledger Burrow provides a modular blockchain client with a permissioned smart contract interpreter partially developed to the specification of the Ethereum Virtual Machine (EVM).

### Fabric

Hyperledger Fabric is an implementation of blockchain technology that is intended as a foundation for developing blockchain applications or solutions.

### Iroha

Hyperledger Iroha is a distributed ledger project that is designed to be simple and easy to incorporate into infrastructure projects requiring distributed ledger technology.

### Sawtooth

Hyperledger Sawtooth is a modular blockchain suite designed for versatility and scalability.

### Indy

Hyperledger Indy provides tools, libraries, and reusable components for interoperable digital identities rooted on blockchains or other distributed ledgers.



**Learn More About Hyperledger Projects**

# Business Analysts, Developers, and... Bankers

## October 2017 Archives by th

- Messages sorted by: [\[ subject \]](#) [\[ author \]](#) [\[ date \]](#)
- [More info on this list...](#)

Starting: Sun Oct 1 12:53:49 UTC 2017

Ending: Sat Oct 14 22:49:41 UTC 2017

Messages: 184

- [\[Bitcoin-segwit2x\] August Status Report for SegWit2](#)
  - [\[Bitcoin-segwit2x\] August Status Report for Se](#)
    - [\[Bitcoin-segwit2x\] August Status Report](#)
- [\[Bitcoin-segwit2x\] Updated list of NYA signatories?](#)
- [\[Bitcoin-segwit2x\] Strong 2-Way Replay Protection](#)
  - [\[Bitcoin-segwit2x\] Strong 2-Way Replay Prote](#)
    - [\[Bitcoin-segwit2x\] Strong 2-Way Replay](#)
      - [\[Bitcoin-segwit2x\] Strong 2-Way I](#)
      - [\[Bitcoin-segwit2x\] Strong 2-Way I](#)
      - [\[Bitcoin-segwit2x\] Strong 2-Way I](#)
      - [\[Bitcoin-segwit2x\] Strong 2-Way I](#)
      - [\[Bitcoin-segwit2x\] Strong 2-Way I](#)

## Jamie Dimon says if you're 'stupid' enough to buy bitcoin, you'll pay the price one day

- Jamie Dimon, chairman and CEO of JPMorgan Chase, says Thursday he's "not going to talk about bitcoin anymore" after causing a stir in September by calling the digital currency a "fraud."
- But on Friday, Dimon responds to a question about bitcoin by saying if people are "stupid enough to buy it," they will pay the price for it in the future.
- The banking executive did say he believes the blockchain technology behind bitcoin is valid.

Evelyn Cheng | Kayla Tausche

Published 1:38 PM ET Fri, 13 Oct 2017 | Updated 3:19 PM ET Fri, 13 Oct 2017

Source:

<https://lists.linuxfoundation.org/pipermail/bitcoin-segwit2x/2017-October/thread.html#455>

# @jonerp's input



author **Jon Reed** says: November 2, 2017 at 10:51 pm

Thanks Clive – I didn't get into all the practical use cases in this piece for two reasons – first, I had already done that in my **Intacct blockchain piece** last week, and also Angelica Mari issued a **list of use cases for fintech** that you added a useful comment on.

The focus on this piece was less on the potential use cases and more on whether we were finally moving from pilots to production situations. And of course Hyperledger updates. I think we got some clarity so we'll see.

– Jon

<https://diginomica.com/2017/11/02/is-blockchain-enterprise-ready-a-hyperledger-gut-check-with-executive-director-brian-behlendorf>



# Where Do We Go From Here?

- CPL103 – Blockchain and SAP: Use Cases, Scenarios, and New Solutions
- CPL102 – SCP Blockchain Service Introduction & Overview
- CPL 200 – SAP S/4HANA and Blockchain Integration
- CPL101 – Blockchain: Just Hype or Relevant Technology for Building New Business Apps
- CPL116 – Blockchain in a Public Sector Scenario
- CPL117 – Blockchain in Financial Service: Bonded Loans – a Commercial Lending POC
- CPL118 – Blockchain in an Industry Scenario: Secure, Paperless Ocean Shipping
- CPL135 – Innovating SAP S/4HANA with SAP Cloud Platform: Blockchain Integration
  
- CPL227 – Enterprise Blockchain Architecture with Hyperledger
- CPL261 – How to Build Smart Contracts with Hyperledger: Deep Dive

# What's ahead in SAP landscape?

- ▶ SAP Cloud Platform
- ▶ S4HANA
- ▶ Payment Engine
- ▶ SWIFT or Society of Worldwide Interbank Financial Telecommunication
- ▶ Sovereign Currencies (Not fiat)
- ▶ Baked Into Upgrade and Support contracts with existing client base
- ▶ Co-ompeting with other Hyperledger members
- ▶ More open source beyond wiki?

# Thank You For Having Me!

@greg\_not\_so(@hotmail.com)

Member @ BIS LLC

# Appendix - Guaranteed to Change

Last Price <b>7270.98057270</b>	24hr Change <b>-3.65%</b>	24hr High <b>7578.58354980</b>	24hr Low <b>7080.99999997</b>
24hr Volume: <b>35259163.27608906</b> USDT / <b>4798.57573909</b> BTC			



**23,542.33**

**+3.14 (0.01%)**

Real-time: 9:56AM EST

INDEXDJX real-time data - Disclaimer

Range 23,520.75 - 23,552.16  
52 week 17,883.56 - 23,557.06  
Open 23,533.96  
Vol. 42.69M

**G+**

Compare:

Zoom: [1d](#) [5d](#) [1m](#) [3m](#) [6m](#) [YTD](#) [1y](#) [5y](#) [10y](#) [All](#)

Jun 01, 2017 - Nov 06, 2017 **+2533.77 (12.06%)**

