

Name: mcp-365-cswg-workshop-promisegrid-readme-readthrough

Title: CSWG Workshop: PromiseGrid README readthrough

Status: Draft -- anyone can edit.

See the [MCP index](#) to create or find documents, or [mcp-0-readme](#) for an overview.

The headers above are machine-readable; please preserve format.

PromiseGrid README readthrough (50 mins)

- Intro material:
 - [PromiseGrid README](#)
- readthrough notes
 - TODO goals of the workshop:
 - to mind-meld
 - to make sure that the concepts hold together, are consistent
 - opening paragraph okay -- good enough analogy
 - evokes UUCP/Usenet ideas for JJ and Steve
 - possible replacement paragraph in yesterday's announcement
 - DA: I didn't receive yesterday's email for some reason? But I also like the announcement text better.
 - Why this Matters
 - makes sense
 - TODO Why decentralized?
 - we have to expect people and orgs to act in their own self-interest
 - it's not healthy for them or us if we don't
 - centralized services are by definition acting primarily in the self-interest of the owner
 - Features
 - TODO describe how consensus, governance, etc. mechanisms are similar to system calls and how they are exposed to higher-level code, apps, and users
 - TODO turn the bullet points into links that point at things later in the doc that make them be true
 - Technology
 - should this section be split or marked in some way for external vs internal links?
 - Milestones
 - TODO also make some of these links?
 - Contact
 - TODO add more to this list
 - see JJ's GPT paste below

- TODO find still-active worknetting folks via the wayback machine
- Cautions on bringing on end users too early, especially those strongly passionate
 - Throwback to many attempts at 'anti-establishment' work that derailed itself before building practical stuff, the cycle continues.
- TODO use GPT to "red team" contacting with Mark to make sure we have our ducks in a row first
- TODO fix ERP/MRP
- Architecture
 - TODO PromiseGrid is all about sandbox management, regardless of the sandbox technology; container, WASM, VM, bare metal, etc.
 - It's a sandbox orchestrator, regardless of sandbox technology
 - TODO hash size is not hardcoded but is instead part of the protocol, we use <https://multiformats.io/multihash/>
- Capability-as-promise model
 - JJ food trucks analogy
 - food trucks in a row
 - possibly using same or different currencies
 - difficult customer disagrees with truck 1, goes to truck 5
 - how does truck 5 know that truck 1 has revoked token?
 - TODO see if e.g. marc stiegler has written an accessible description
 - TODO see what Mark Burgess has for lay descriptions/analogies
 - TODO it's a personal currency system
 - need a short description of modern currency here
- TODO Steve create slides and/or crash-course-style videos
 - JJ likes econ TODO Steve watch these
 - JJ also likes ACDC econ videos
- TODO finish:
 - protocol
 - merge-as-consensus
 - decentralized cache
- TODO add a tldr; statement at the beginning of each section, either as bolded centered or as italicized analogy

Plan next workshop (10 mins)

- [git internals](#)
- See the automatically-generated workshop list at <http://mcp.infrastructures.org/search?query=cswg+workshop>
- future proposals:
 - **Git Internals**
 - **next week TODO Steve set up doc**
 - PromiseGrid apps vs crypto DAPPs (README is prereq)
 - test-driven AI-based development (TDAID)

- Ecologies of Worker Cooperation
- Not for next week - but after I (Rebecca) do my June video project, maybe I might present on creating video documentation (copy proposals here from the previous week)

Potential collaborators

To further bolster the development and success of a project like PromiseGrid, involving a wider array of stakeholders and experts from various fields can be invaluable. Here are additional people or groups that could be approached to contribute diverse perspectives and expertise:

1. **Open Source Software Foundations:** Engaging with organizations like the Apache Software Foundation or the Free Software Foundation could provide valuable support in terms of software licensing, governance, and community-building expertise.
2. **Blockchain and Decentralized Technologies Experts:** People working on blockchain technology, decentralized finance (DeFi), and distributed ledger technology (DLT) could offer insights into building resilient, decentralized systems, and governance models.
3. **Cybersecurity Professionals:** Given the emphasis on security, especially capability-based security, cybersecurity experts can contribute towards making the system robust against attacks and ensuring privacy and data integrity.
4. **Cloud Computing Providers:** Collaboration with cloud service providers (e.g., AWS, Google Cloud, Microsoft Azure) could offer infrastructure support and insights into scalable, distributed computing architectures.
5. **Academic Institutions and Researchers:** Engaging with universities and research institutions that specialize in distributed computing, network systems, and cybersecurity can provide access to cutting-edge research, and potential collaboration on development and testing.
6. **Industry Consortia and Standards Bodies:** Groups such as the World Wide Web Consortium (W3C) or the Internet Engineering Task Force (IETF) could help ensure that PromiseGrid aligns with, and possibly influences, global standards for web and internet technologies.
7. **Developer Communities:** Reaching out to developer communities, especially those focused on relevant technologies like WebAssembly, containerization, and large language models, could help in crowdsourcing development effort and innovation.
8. **Non-Governmental Organizations (NGOs) and Civic Technology Groups:** These groups could provide insights into how PromiseGrid could be used for social good, addressing issues like digital divide, education, and community governance.
9. **Venture Capitalists and Technology Incubators:** Engaging with the investment community could provide not just funding but also mentorship, network access, and business development support to ensure the project's sustainability and growth.
 - a. No thanks
10. **Ethical Technology Advocates:** As PromiseGrid aims to democratize computing resources, involving ethicists and advocates for digital rights can ensure the project develops with a strong ethical foundation, focusing on user empowerment and privacy.
 - a. EFF

11. **Technology Journalists and Influencers:** Collaborating with tech media and influencers can help raise awareness of the project, attracting more contributors, users, and supporters.

By engaging with a broad spectrum of individuals and organizations, PromiseGrid can leverage diverse expertise and viewpoints, fostering a rich ecosystem that supports its development, adoption, and long-term success.

Me: now list 10 people per group heading

Creating a detailed list with specific individuals could be challenging without knowing the current landscape and relationships within each field. However, I can suggest types of professionals and roles within each group that would be beneficial to engage with for a project like PromiseGrid.

Open Source Software Foundations

1. Executive Directors of open-source foundations (e.g., Apache, Linux Foundation)
2. Lead maintainers of major open-source projects
3. Open-source community managers
4. Open-source licensing experts
5. Founders of successful open-source startups
6. Open-source advocacy group leaders
7. Chairs of open-source governance committees
8. Keynote speakers from major open-source conferences
9. Contributors to critical open-source infrastructure projects
10. Open-source project mentors and educators

Blockchain and Decentralized Technologies Experts

1. Founders of leading blockchain platforms
2. Core developers of prominent cryptocurrencies
3. Thought leaders in decentralized finance (DeFi)
4. Researchers in distributed ledger technology
5. Blockchain protocol architects
6. Cryptography experts specializing in blockchain
7. Blockchain project community managers
8. Contributors to open-source blockchain projects
9. Blockchain legal and regulatory advisors

10. Blockchain scalability and interoperability researchers

Cybersecurity Professionals

1. Chief Information Security Officers (CISOs) from tech companies
2. Security researchers focusing on distributed systems
3. Ethical hackers and penetration testers
4. Developers of security protocols and software
5. Cybersecurity policy and standards developers
6. Privacy and data protection officers
7. Authors of cybersecurity frameworks
8. Organizers of cybersecurity conferences and workshops
9. Cybersecurity educators and trainers
10. Influencers and bloggers in cybersecurity

Cloud Computing Providers

1. Cloud solutions architects
2. Cloud service provider strategy executives
3. DevOps and infrastructure engineers
4. Cloud security specialists
5. Cloud technology evangelists
6. Product managers for cloud services
7. Developers with experience in cloud-native applications
8. Cloud consulting and implementation specialists
9. Technical account managers for cloud platforms
10. Cloud innovation lab leaders

Academic Institutions and Researchers

1. Professors in computer science specializing in distributed computing
2. Researchers in network systems and architectures
3. Data science and AI research leads
4. Scholars in digital ethics and technology policy
5. Directors of university-based technology incubators
6. PhD candidates working on cutting-edge technology projects
7. Authors of influential research papers in technology
8. Leaders of academic open-source projects
9. Organizers of academic conferences in technology fields
10. Post-doctoral researchers in cybersecurity and encryption

Developer Communities

1. Organizers of major developer meetups and hackathons
2. Contributors to key technology frameworks and libraries
3. Maintainers of popular development tools and platforms
4. Technology podcast hosts and content creators
5. Authors of influential coding tutorials and books
6. Speakers at developer conferences
7. Leaders of online developer forums and discussion boards
8. Mentors in coding bootcamps and online courses
9. Influencers in software development and technology trends
10. Active members of coding challenge and competition communities

For the remaining groups, similar roles and positions apply, tailored to the specifics of each sector. Engaging with a mix of influencers, leaders, practitioners, and researchers across these groups can provide a well-rounded perspective and diverse expertise to support the development and adoption of PromiseGrid.

Diverse Stakeholders Collaborate thread

Here are some suggestions across various domains: This is listed in the chatgpt thread:
<https://chat.openai.com/share/e/9974e55a-6751-4cf4-a7ee-9fae4d08a9ee>

Open Source and Decentralization Advocates

1. **Free Software Foundation (FSF)** - Advocates for the freedom to study, distribute, create, and modify software.
2. **Electronic Frontier Foundation (EFF)** - Works on digital rights, which aligns with the security and privacy aspects of PromiseGrid.
3. **Linux Foundation** - Collaborates on open-source projects; their expertise in managing such projects could be invaluable.
4. **Decentralized Identity Foundation (DIF)** - Focuses on the development of decentralized identity technologies, relevant for PromiseGrid's governance model.

Academic and Research Institutions

1. **MIT Media Lab** - Known for cutting-edge research in technology and its social implications.
2. **Stanford's Decentralized Internet Lab** - If it exists, or any similar institutions focusing on decentralization and internet innovation.

3. **Blockchain Research Institute** - Conducts research on blockchain's impact on business, government, and society.

Tech Industry Leaders and Innovators

1. **Tim Berners-Lee / Inrupt** - As the inventor of the World Wide Web, Berners-Lee's current work on decentralizing the web aligns with PromiseGrid's goals.
2. **Vitalik Buterin and Ethereum Foundation** - Their work on decentralized applications and finance could provide insights into scalable, decentralized computing and governance.
3. **Mozilla Foundation** - Promotes an open and accessible internet, with initiatives that could complement PromiseGrid's objectives.

Collaborative and Open Technology Projects

1. **IPFS (InterPlanetary File System)** - A peer-to-peer hypermedia protocol, could align with PromiseGrid's data storage and distribution models.
2. **Docker and Kubernetes Communities** - Given PromiseGrid's use of containerization, engaging with these communities could foster collaboration on infrastructure management tools.
3. **OpenAI** - Their work on large language models and openness to ethical AI development might align with the project's goals, especially in leveraging AI for governance.

Community Networks and Cooperatives

1. **Guifi.net** - A successful open, free, and neutral network; their experience in growing a decentralized network could offer practical insights.
2. **Platform Cooperativism Consortium** - Advocates for cooperative business models in the digital economy, which aligns with the governance aspect of PromiseGrid.

Environmental and Sustainability Groups

1. **Global Footprint Network** - Their focus on sustainability could align with the efficient and equitable resource use promised by PromiseGrid.
2. **Greenpeace International** - An environmental organization that could be interested in PromiseGrid's potential for promoting sustainable technologies.