

Secure Software Supply Chain Working Group: GBA

Aims and motivations

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About The Working Group

The stated purpose of the working group is to discuss and promote the use of Blockchain as a basis for securing development and delivery of software code in government applications, both for U.S. Federal Agencies and governments and private companies around the world.

The group, under the leadership of Mitja Goroshevsky, CEO of Gosh Operating Company, has a strategic goal to engage membership from digital security, software development tools providers and software delivery IT industries.

Blockchain as a Security Solution

Blockchain technology is becoming increasingly prevalent in private sector use. Record keeping, healthcare, and foreign aid are just some of the applications currently being implemented.

Likewise, software security has grown to be a top priority for government agencies.

Considering current cybersecurity concerns and the need to secure government software supply chains, leveraging blockchain technology for this purpose is no doubt the next frontier.

The immutable ledger that forms the foundation of both private and public blockchains, along with the ineluctable presence of encryption, digital signatures, and smart contracts are some of the main components of this security solution.

The Advantages of Blockchain Use

- Cryptographically secure blockchain applications provide trustless and immutable logs across supply chains, allowing for a transparent process of software delivery
- Recent advancements in transaction speed and scalability mitigate migration pains and ensure potential long-term use of blockchain security applications
- Private blockchains allow governments the same level of control as they currently have over their practices
- Public blockchains offer public sector supply chains the benefits of decentralization towards security
- Smart contracts can significantly cut down on costs and red tape in supply chains

Points For Discussion

- Ease-of-use; deployment across Federal Agencies will require adapting blockchain solutions that are efficient and easy-to-use
- Mission critical; every critical software application has a different set of challenges, each with slightly different solutions. The GBA Secure Software Supply Chain Working Group emphasizes the value of a discussion on all possible blockchain solutions to this end, rather than any one solution.
- Adaptability; Cloud based security options may not be the best option, but the natural challenges of full blockchain production mean we should explore parallel tools and measures that can be used alongside.

The Public Good

The main reason government supply chains must remain secure is in order that their function in serving the public good not be in any way undermined.

The GBA Secure Software Supply Chain Working Group invites all those interested in achieving such ends to the discussion.

The Working Group is led by GOSH, a blockchain purpose-built for storing git on-chain and securing the software supply chain

Regular meeting will be held with this presentation as one of the discussion reference points