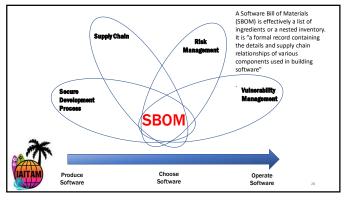
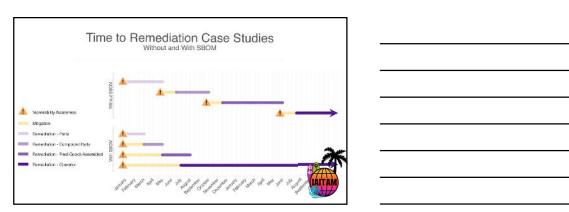
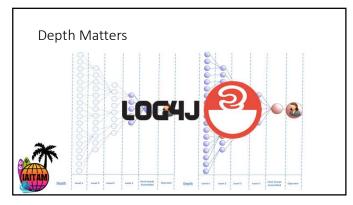


	An SBOM is just a pile of JSON
1147 1148 1149 1159 1151 1152 1153 1154 1155 1156 1157 1158 1159 1160	"SPOXIO": "SPOXRef-ope-readable-stream-2.3.8",
1148	"name": "readable-stream", "versloatefor" "2.3.8".
1149	"elsealved" Table, "fleakalved" true
1151	"isensesyeer: true, "https://registry.ngm/s.org/readable-stream/-/readable-stream-2.3.8.tgz",
1152	"or ininator": "Greenization: New".
1153	"supplier": "Person: calvin.metcalfibomail.com.hellobmaiteocollina.com.builobiois.org".
1354	"summary": "Node.js Streams, a user-land copy of the stream library from Node.js",
1155	"masrites": [
1156	"SPDXRef-npm-readable-stream-2.3.8-lib-stream-readable.js",
1157	"SPOXXef-npm-readable-stream-2.3.8-lib-stream-duplex.js";
1158	"SPOXMef-npm-readable-stream-2,3.8-lib-stream-writable.js",
1159	"SPOXRef-npm-readable-stream-2.3.8-LICONSE",
1140	"SPOXRef-npm-readable-stream-2.3.8-package.json",
1161	"\$PXXXE-ngm-readable-stream-2.3.8-10b-stream-stransform.js", "\$PXXXE-ngm-readable-stream-2.3.8-10b-stream-stransform.js",
1162 1163 1164 1165	"Sroxxer-ope-reapable-stream-2.3.m-tim-stream-passinrough,)s"
1164	"icensebelared": "LicenseRef-MIT-2433610",
1165	"copyright[ext": "Mode is contributors, All rights reserved.\n\t Joyent, Inc. and other Node contributors,\n\t Node is contributors, All rights reserved.\n\t Joyent, Inc. and
1166	"homeose": "Attos://www.memis.com/sackane/readable-stream".
1167	"LicenseConcluded": "MANSSERTION".
8116	"checksums": [
1169	
1170	"algorithm": "MDS",
1171	"chrcksumValue": "Scf6852be99a6ac1167868580e61bd54"
172).
1173	(INTOM)
1174	"algorithm": "SMAI",
1166 1167 1168 1169 1170 1171 1172 1173 1174 1175	"checksumValue": "08fc80a99af404f2752fa41194635825c23f83fc"
1176	
1176	"alegrithm": "SW256".







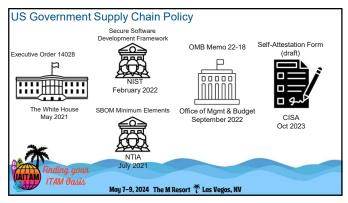












OMB Memo 22-18

- "Enhancing the Security of the Software Supply Chain through Secure Software Development Practices"
- Initial implementation based on NIST 800-218 "Secure Software Development Framework
- Sets the model of "self-attestations"
- Target is government agencies
- Agencies *may* ask for an SBOM
- CISA tasked to update SBOM "minimum elements" as needed.



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Self-Attestations

- Published by CISA in March 2024
- Scope: new, proprietary software sold to the US government
 Form that each vendor must sign for each product
 Goes into effect Fall 2024

- Includes claims about
- Secure development and build environments
 Multi factor authentication
- Continuous monitoring
- Automated supply chain monitoring tools
 Automated vulnerability management tools



"The software producer maintains provenance for internal code and third-party components incorporated into the software to the greatest extent feasible"

cisa.gov/secure-software-attestation-form







Federal Acquisition Regulation (FAR)

- New rules proposed in Oct 2023 for public comment 2021-017
- "The <u>Contractor shall maintain</u>, and upon the initial use of such software in the performance of this contract, provide or provide access to the Contracting Officer a <u>current SBOM</u> for each piece of computer software <u>used in performance of the contract</u>. Each SBOM shall be produced in a machine-readable, industrystandard format and shall comply with all of the minimum elements..."





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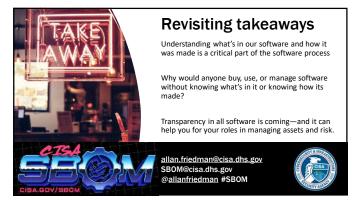




Summary: Why the ITAM Community should look *inside* the box with SBOM

- Improved visibility what software do you actually have?
- Maintenance plan for EOL in advance
- <u>License compliance</u> direct and secondary risks
- <u>Vulnerability management</u> risks in the supply chain
- Decision-making more details about SW composition
- Cost optimization unused or duplicate components
- <u>Compliance</u> gubmints gonna gubmint

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