

Baseline Protocol - 2022 Roadmap

This document is a living document of the 2022 Baseline Protocol Roadmap proposed by the Technical Steering Committee, who reserve right to amend the items listed here with a ratified proposal.

Each roadmap item is considered a request for proposal (RFP) - for which completed work could be compensated for via grant funds to interested parties

Items denoted by an asterisk (*) are considered stretch goals for the Baseline Protocol 2022 Roadmap and will be aided by the completion of the SRI work.

#	ITEM	SUMMARY	SEQUENCE	DETAILS	TIMELINE							
					APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV
1	Simple Reference Implementation (SRI)	Simple Reference Implementation with minimal complexity (that include APIs, messaging, privacy, & storage) and illustrates how the Baseline Protocol applies to relevant use cases.	#1	<ul style="list-style-type: none">- Remaining BLIP-6 Monolithic Test Suite work is in progress- Need simple use case from item #7 to be defined- Transform mocking of each Baseline Protocol service into actual NPM package or services with exposed API calls								
2	Test Harness	Full end to end test coverage and reporting for each component of a simple reference implementation.	Concurrent with #1	<ul style="list-style-type: none">- Requirements and defined test scenarios derived from Simple Reference Implementation- RFP for taking on work can be found here: https://github.com/eea-oasis/baseline-grants/issues/83								
3	Implementation Guide*	Step by step implementation guide that leads developers by the hand to setup their own baseline implementation. Should be made for the layman who is responsible for implementing their enterprise's systems.	Concurrent with #1	<ul style="list-style-type: none">- Material will come out of Simple Reference Implementation work- Documented manual for implementing the Baseline Protocol standard	Backlogged until 2023 Roadmap Discussion							
4	Test Network*	Implement test environment for development and testing purposes. Should allow full operation of circuits (on & off-chain) used in workflows between organizations.	#2	<ul style="list-style-type: none">- Likely a task for a commercial entity- Operational test sandbox- Define requirements of a network- Set up and maintain an AWS EC2 (or other) instance that allows implementers to run and test a live Baseline Reference Implementation	Backlogged until 2023 Roadmap Discussion							
5	Software Development Kit (SDK)*	SDK to give prospective developers all tools, libraries, and scaffolding needed to build out a Baseline Protocol implementation from a standard starting template.	#2	<ul style="list-style-type: none">- Refactor Simple Reference Implementation to extract SDKs- Build TypeScript or JavaScript wrapper around the Simple Reference Implementation	Backlogged until 2023 Roadmap Discussion							
6	Hello World Chunks*	Develop "Hello World" code pieces for each part of a Baseline Protocol implementation, allowing implementers to understand different technical components.	#2	<ul style="list-style-type: none">- Need simple use case from item #7 to be defined- Define focused scope to show each specific component of baselining	Backlogged until 2023 Roadmap Discussion							
7	Use Case Patterns*	Develop master set of use cases and applied technical prototypes that will be used to develop focused BRI's and enablement material.	#1	<ul style="list-style-type: none">- Using BLIP-1 efforts of defining flow for whether a use case can be baselined- Define simplest use cases and design work flows (allows SRI to begin)- Create semi-exhaustive list of potential industries and use cases across industries- Use resultant industry focused use cases and BLIP-1 to design architecture work flow- Use results of above and BLIP-1 to determine overall generic baseline patterns and design architectures	Backlogged until 2023 Roadmap Discussion							
8	Developer Journey*	Provide core developers and implementers with educational resources to understand Baseline Protocol and begin developing.	Concurrent with #1	<ul style="list-style-type: none">- Document 'user guides' to technical pieces that are developed- Create tutorials and walkthroughs while Simple Reference Implementation and other efforts are worked through- Create Baseline Core Dev Onboarding Kit with pointers to all resources	Backlogged until 2023 Roadmap Discussion							