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

#	ITEM	SUMMARY	SEQUENCE	DETAILS	TIMELINE								
					APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
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	- 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	- Requirements and defined test scenarios derived from Simple Reference Implementation	█	█	█	█	█	█	█		
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	- Material will come out of Simple Reference Implementation work - Documented manual for implementing the Baselie Protocol standard			█	█	█	█	█		
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	- 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				█	█				
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	- Refactor Simple Reference Implementation to extract SDKs - Build TypeScript or JavaScript wrapper around the Simple Reference Implementation						█	█		
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	- Need simple use case from item #7 to be defined - Define focused scope to show each specific component of baselining	█	█	█	█	█	█			
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	- 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-exhausitve 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	█	█	█	█					
8	Developer Journey*	Provide core developers and implementers with educational resources to understand Baseline Protocol and begin developing.	Concurrent with #1	- 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					█	█	█	█	█