

Umbrella Project Organization

How the BlockScout project is organized

BlockScout is an Elixir [umbrella project](#) . Each directory under `apps/` is a separate [Mix](#) project and [OTP application](#) , but the projects can use each other as a dependency in their `mix.exs` .

Each OTP application has a restricted domain.

Table is horizontally scrollable.

Directory	OTP Application	Namespace	Purpose
<code>apps/ethereum_jsonrpc</code>	<code>:ethereum_jsonrpc</code>	EthereumJSONRPC	Ethereum JSONRPC client. It is allowed to know Explorer 's param format, but it cannot directly depend on:explorer
<code>apps/explorer</code>	<code>:explorer</code>	Explorer	Storage for the indexed chain. Can read and write to the backing storage. MUST be able to boot in a read-only mode when run independently from:indexer , so cannot depend on:indexer as that would start:indexer indexing.
<code>apps/block_scout_web</code>	<code>:block_scout_web</code>	BlockScoutWeb	Phoenix interface to:explorer . The minimum interface to allow web access should go in:block_scout_web . Any business rules or interface not tied directly toPhoenix orPlug should go in:explorer . MUST be able to boot in a read-only mode when run independently from:indexer , so cannot depend on:indexer as that would start:indexer indexing.
<code>apps/indexer</code>	<code>:indexer</code>	Indexer	Uses:ethereum_jsonrpc to index chain and batch import data into:explorer . Any process,Task , orGenServer that automatically reads from the chain and writes to:explorer should be in:indexer . This restricts automatic writes to:indexer and read-only mode can be achieved by not running:indexer .

Last updated 4 years ago