Delivering an Open, Hierarchical Software Ecosystem

Levels of Integration	Product	Source and Delivery

ECP ST Open Product Integration Architecture

- Build all SDKs
- Build complete stack
- Containerize binaries

E4S

Source: ECP E4S team, non-ECP products (all dependencies)
Delivery: Spack install E4S, containers, CI testing

- Group similar products
- Make interoperable
- Assure policy compliance
- Include external products

SDKs

Source: SDK teams, non-ECP teams (policy compliant, Spackified)
Delivery: Apps directly, Spack install SDK, vendor/facility (future)

- Standard workflow
- Existed before ECP

ST Products

Source: ECP L4 teams, non-ECP developers, standards groups
Delivery: Apps directly, Spack, vendor stack, facility stack

ECP ST Individual Products