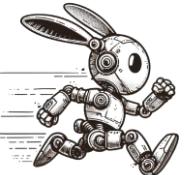
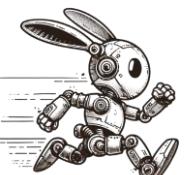
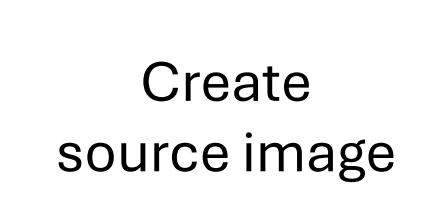


	Development	Distribution	Deployment	
 Package manager, e.g., Spack.	Create package with dependencies and constraints	Source and build instructions, binary package	Build from scratch, assisted with binary caches	
 Container, e.g., Docker	Build full image with all dependencies	Image with binary representation, one per ISA	OCI hooks (semi-manual)	
 Source Container	 Create source image	One image with source, build instructions, dependencies	Full build from scratch, OCI hooks at runtime	
 Adaptable IR Container	 Find optimization points: human expert assisted by AI	 Create image with IR and configuration	One image per IR. Includes IR, source of system dependent files, dependencies	Optimization and lowering of IRs, build of source files, OCI hooks