ALT
Platform

A technology suite used to build and support
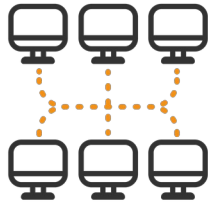
an independent national distribution

«ALT Platform»

— a tool that allows to create a sanction-resistant software infrastructure and minimizes the risks of its maintenance.

- A proprietary product strategy regarding roadmaps, policies, releases, etc.;
- Collaboration with the vendor for supporting the base repository (software package updates, building new software, fixing vulnerabilities);
- Development of in-house competencies;
- Development of a developer community.

The solution is intended for

Companies developing their own in-house distributions; developers of system and application software

Partners (countries) that want to develop their own independent national OS distributions

Key features

- Creation and maintenance of a stable repository based on the updated stable branch of BaseALT LLC;

- An open platform that allows partners to build their own custom application software based on the ALT Platform repository;

- Release and maintenance of distributions, including specialized ones. Supports a set of profiles for building distributions;

- Supports multiple hardware platforms with the option to add local platform support;

- It is easy to localize the operating system into a local language and customize the design;

- The local repository is used to update released distributions.

Usage scenarios

- Creation and support of specialized distributions for enterprise and critical infrastructure. Setting up an additional private repository;

- Creation of in-house distribution solutions. Creation and support of a sovereign operating system based on technologies transferred by BaseALT LLC;

- Building of application software ensures easy integration with other ALT Platform-based solutions (distributions).
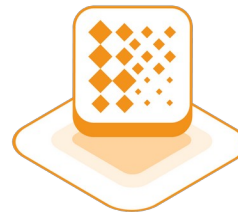
Main components

Toolset
Alt Platform Builder:

- **alterator-mirror** – a service for creating a local copy of Alt Platform;

- **hasher** – a tool for reproducible package building in an isolated environment;

- **gear** – a tool for creating RPM packages from Git repositories;

- **mkimage-profiles** for building images of custom distributions.

Repository:

- based on a stable updated branch of BaseALT;

- guaranteed integrity;

- vulnerability mitigation;

- hardware platform support (x86,x86_64, aarch64, armh, RISC-V, MIPS, ppc64le, Elbrus).

Offers

- We offer cooperation in the creation and support of sovereign operating systems – ensuring technological independence in this sphere;

- The ability to choose and use the products that meet your specific needs;

- We can collaborate on projects and build distributions for any requirements.

Advantages

- No dependency on other projects/corporations/countries in the OS development;

- Our own distribution strategy;

- A unified repository for creating a family of compatible products;

- Control over the code base and security stack;

- The ability to port your OS to other hardware platforms, including local ones.

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