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# Adaptable Linux Platform

openSUSE Asia Summit 2022 – Installing ALP "Les Droites" prototype

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# WHOAMI(1)

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Driver of ALP Community WG



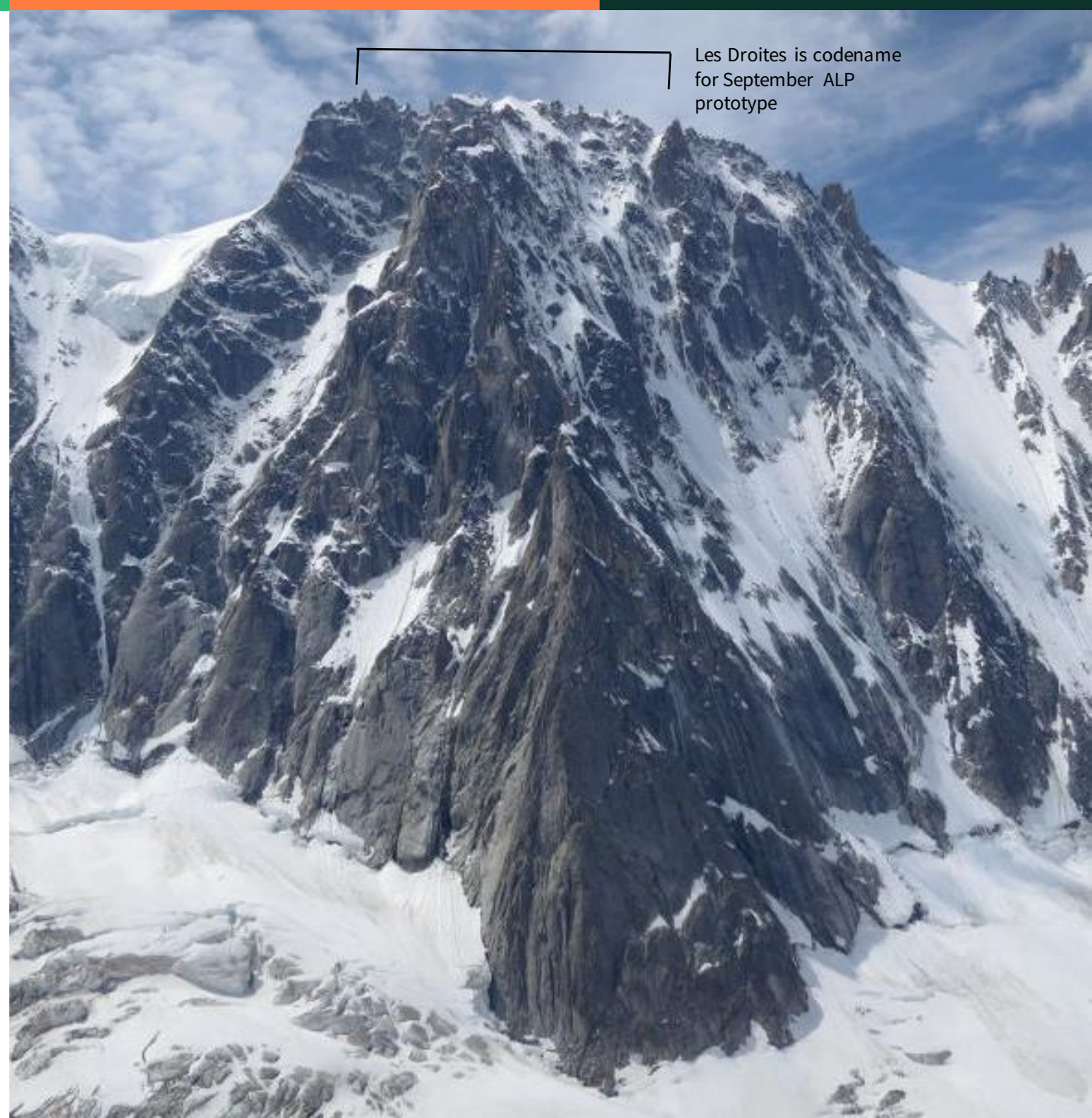
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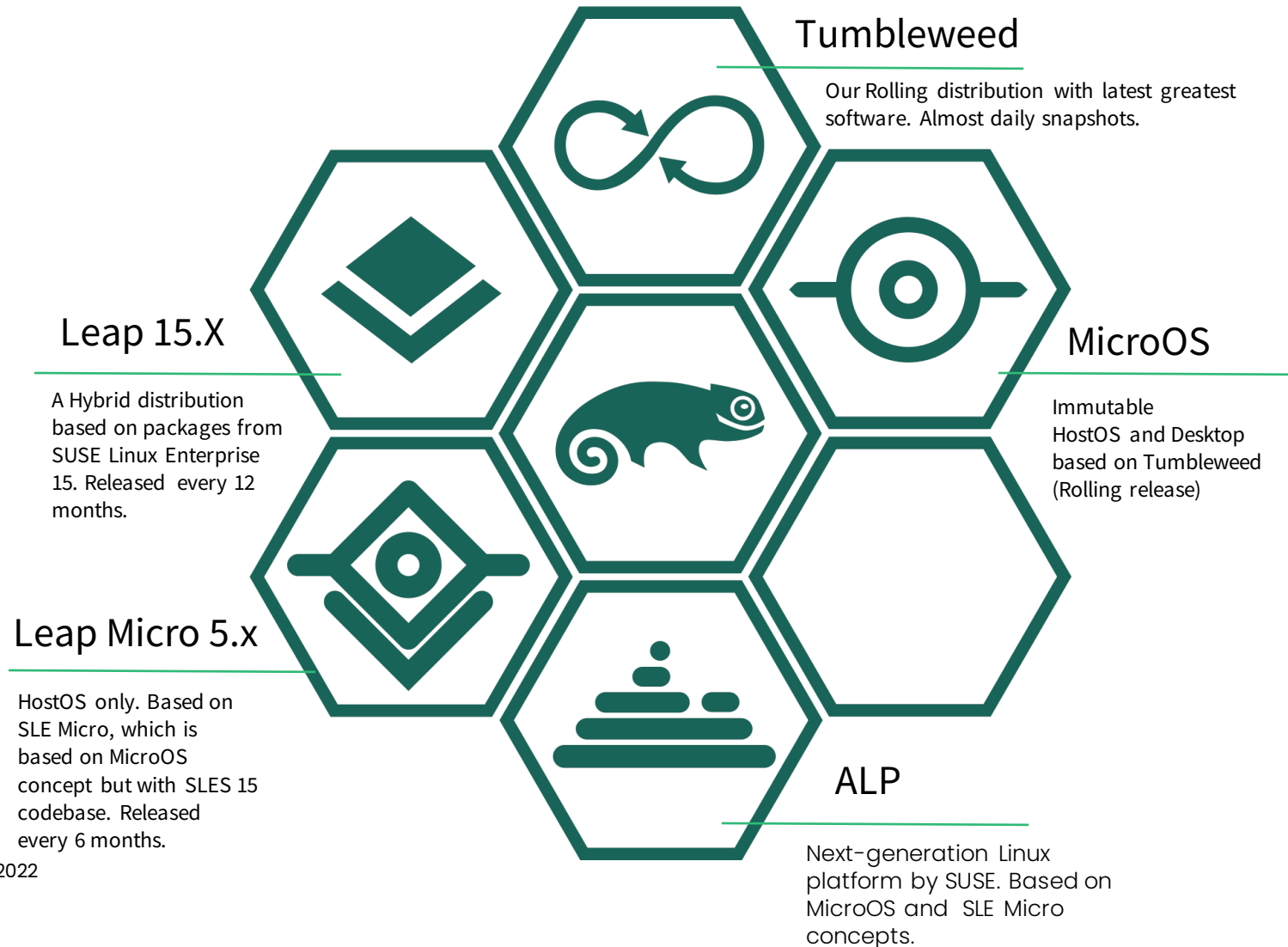
# What is ALP?

Adaptable Linux Platform (ALP) is a codename for the next-gen Linux platform by SUSE.

**The idea is simple!** Users should spend their time managing the application instead of managing the underlying Host.



# Overview of openSUSE distributions



# Focus of the Adaptable Linux Platform

## Application Centric

Easy deployment of any workload, be it a package, container, VM.

User worries only about the workload application; the system manages itself.

Zero Touch host with self-management, self-healing, as well as self-tuning. Full Disk Encryption (FDE) with TPM chip enablement by default on x86.

## Decoupling lifecycles

Decoupling system components of the base OS by, e.g., containerization of individual [ALP Workloads](#) such as YaST, GDM/Desktop stack, language stacks, and others provide more flexibility for setting the lifecycle per bits and pieces.

This enables us to meet customer expectations for an Ultra-long lifecycle and provide the latest and greatest MariaDB, Node.js, or python.

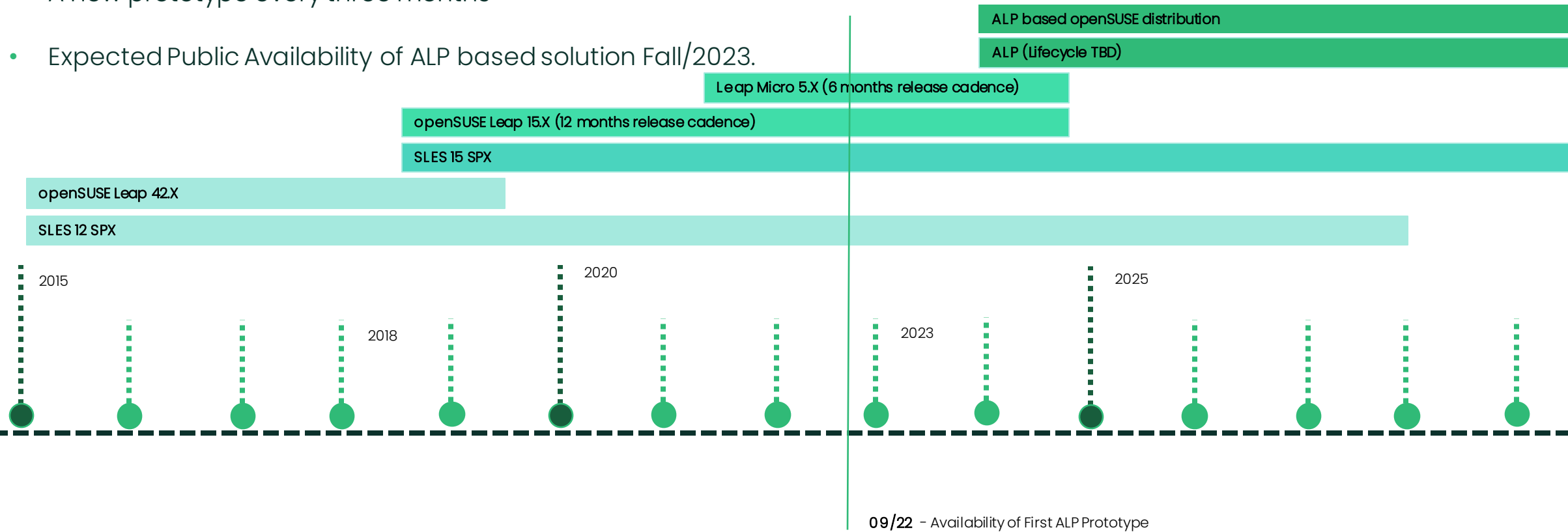
## Built and tested in an open way

ALP is **planned**, built and tested in public. You can already have a look at [OpenBuildService](#) and [openQA](#) ALP projects. This simplifies cooperation with partners as well as the community and makes contributions straightforward and transparent.



# High level Roadmap

- The first ALP prototype availability later this month (09/2022).
- A new prototype every three months
- Expected Public Availability of ALP based solution Fall/2023.



# What's part of the "Les Droites" prototype?

Similar HostOS to SLE Micro but built from fresh codebase with initial container workloads

- Encrypted and non-encrypted qcow image with JeOS first boot experience
- TPM (Trusted Platform Module) based FDE (Full Disk Encryption) <https://github.com/okirch/fdepoc>
- Container and VM runtimes (podman, docker, k3s, [gdm](#))
- Cockpit for web-based management
- Containerized workloads YaST, [gdm](#) ([SUSE:ALP:Workloads](#))
  - See [yast-report-2022-7](#), [yast-report-2022-8](#), and [Cockpit\\_at\\_ALP](#)
  - SELinux in permissive mode
- Documentation - latest build is available at [https://susedoc.github.io/doc-](https://susedoc.github.io/doc-modular)

Let's play some  
demos!

[https://www.youtube.com/watch?v=\\_Zf3ILgUUuo&list=PLLOj\\_Y4wWj\\_m8BmlcBk6sh8FkW6FWljzL](https://www.youtube.com/watch?v=_Zf3ILgUUuo&list=PLLOj_Y4wWj_m8BmlcBk6sh8FkW6FWljzL)



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# Wait? What about desktop?

[MicroOS Desktop](#), which is ImmutableOS utilizing flatpaks currently serves as a prototype for an ALP-based Desktop solution.

We've already done [Immutable Desktop Workshop](#) - [task-list for the event](#)

Full Desktop stack is not part of September prototype.



# Forming openSUSE ALP community

Join our Community [Workgroup](#) and help us define the next-gen distribution bridging Community and the Enterprise.

Meeting every Tuesday at 14:30 UTC at <https://meet.opensuse.org/meeting>

Most of our updates can be found at <https://news.opensuse.org/tag/alp>



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# Summary

Let's recap all that we were talking about

- This of ALP solution family as a new parallel offering rather than successor of SLES 15 product portfolio.
- APP/Workload focused self-managing Host OS.
- Decoupling Lifecycle of system workloads/components to allow users to define their own pace of updates.
- The very first prototype is out now!
- General Availability of ALP based solution in Fall 2023
- Build and tested in open. Images can be downloaded from public [OBS](https://build.opensuse.org) (build.opensuse.org)
- Make sure to join Tuesday's ALP Community Workgroup meetings.





Thank you

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