

// BYE-BYE LOCK-IN: AUTOMATE CLOUD SWITCHING USING OPEN SOURCE

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Version: 202605191350-cd42ff8

But Why?

Tool Stacks



PM+Docs



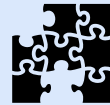
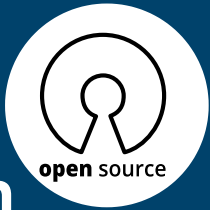
Software Dev



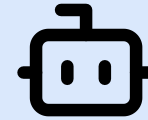
DevOps

...

EcoSystem



Integrations



AI Assistant



Low Ops

Infra



K8s

But Why?

Tool
Stacks



PM+Docs



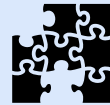
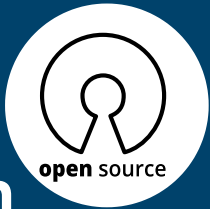
Software Dev



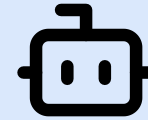
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VM



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Automatic Migration



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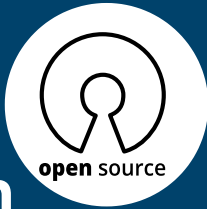
Software Dev



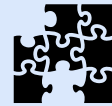
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open source



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Cloud Providers



On Prem



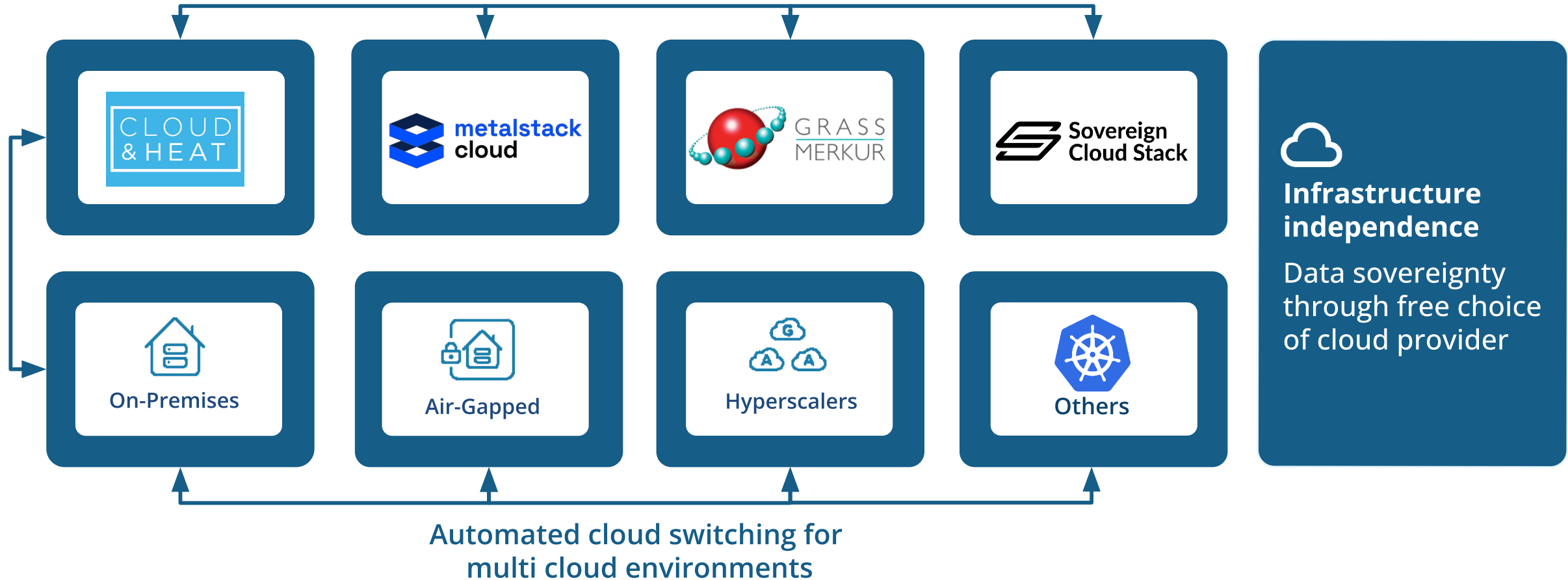
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Automatic Migration



Automatic Cloud Switching

Infra independence through cloud switching



Reasons to switch

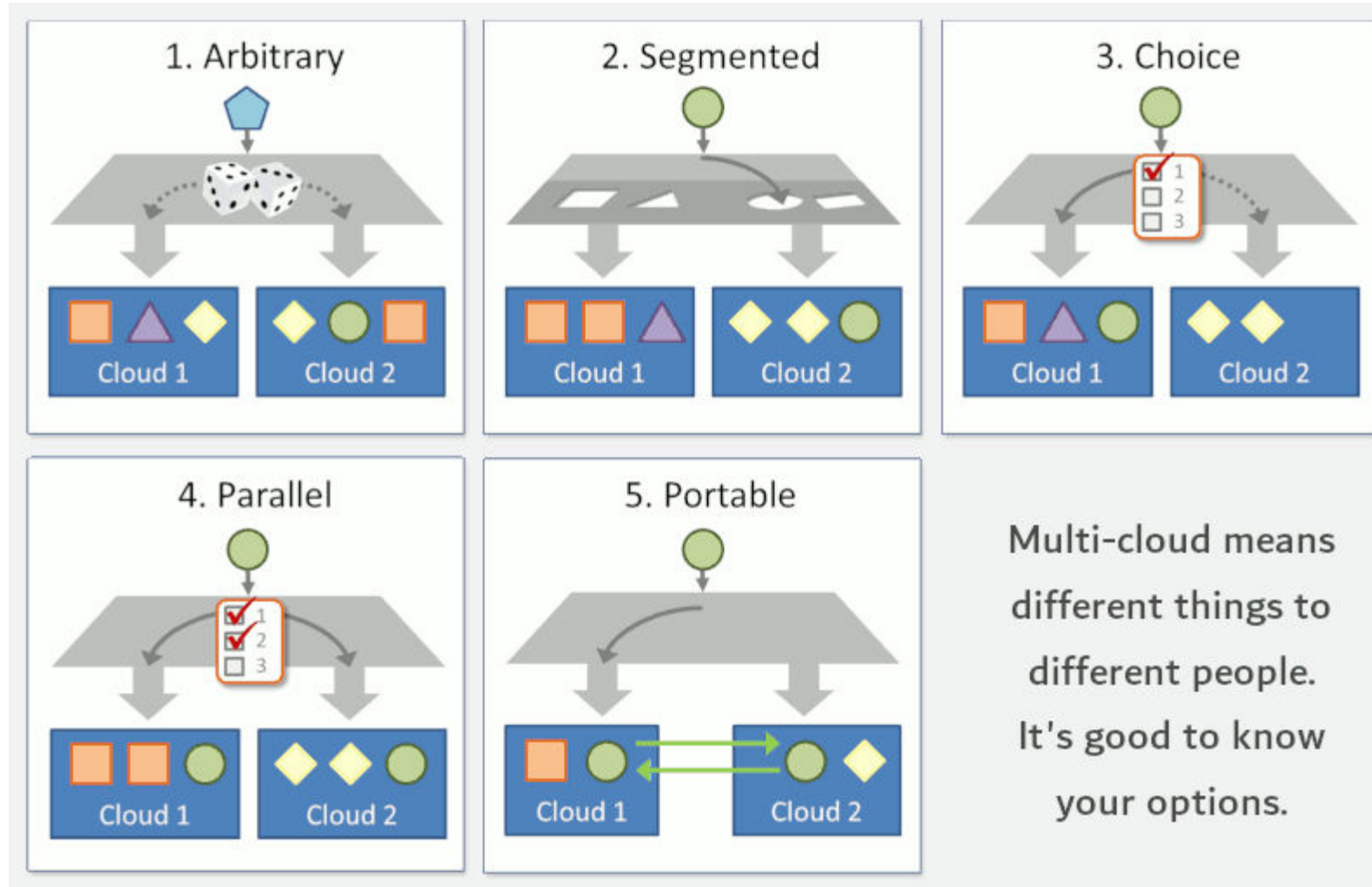
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!! Ability to switch (digital sovereignty)

➡ Multi Cloud



Multi Cloud Architecture Options

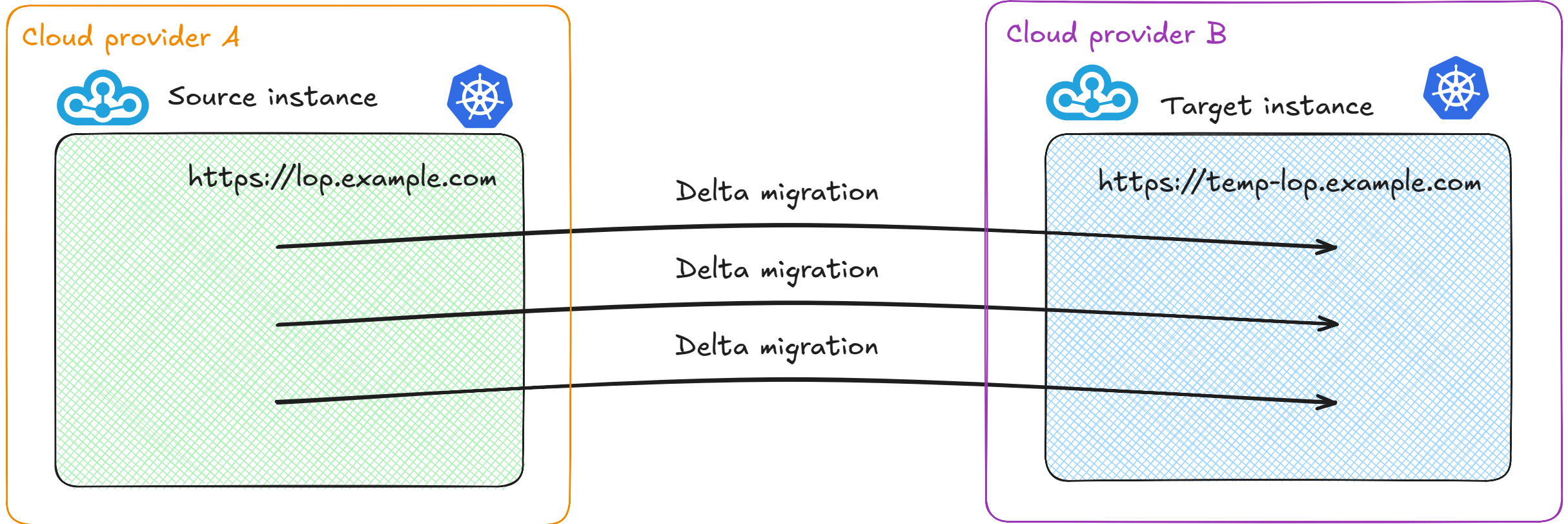


 architectelevators.com/cloud/hybrid-multi-cloud

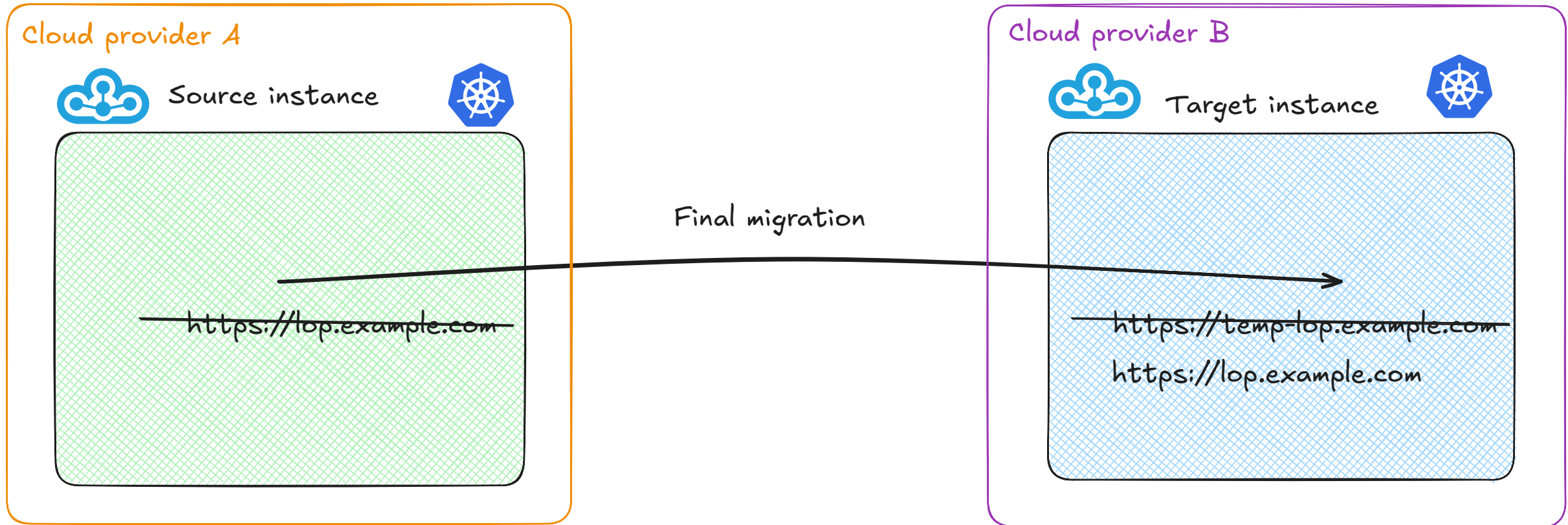
Automatic Cloud Switching



Delta migration



Final migration



Demo migration



Google
Cloud



Metalstack
Cloud





Migration in progress.

The migration of your instance is in progress.

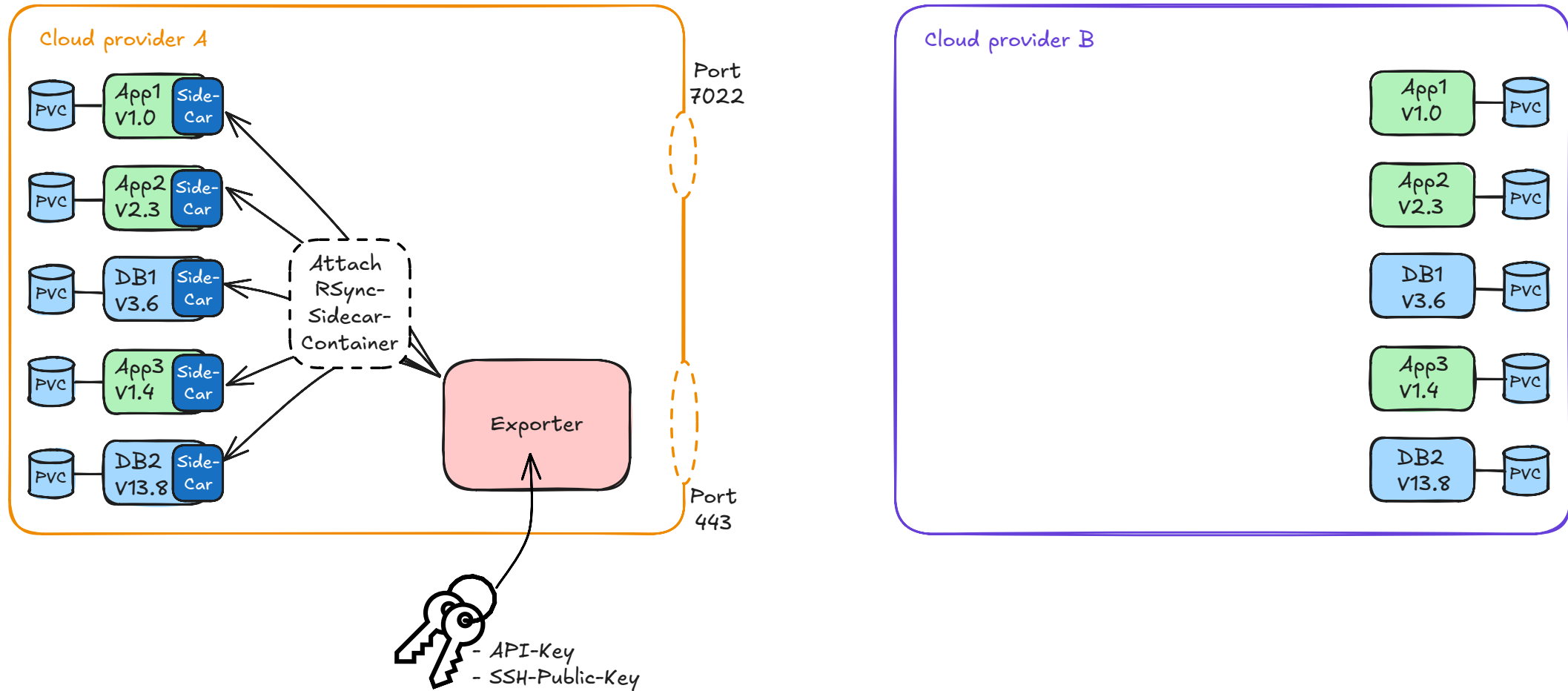
[Dogu neu laden](#)  [Dokumentation](#)

Menu

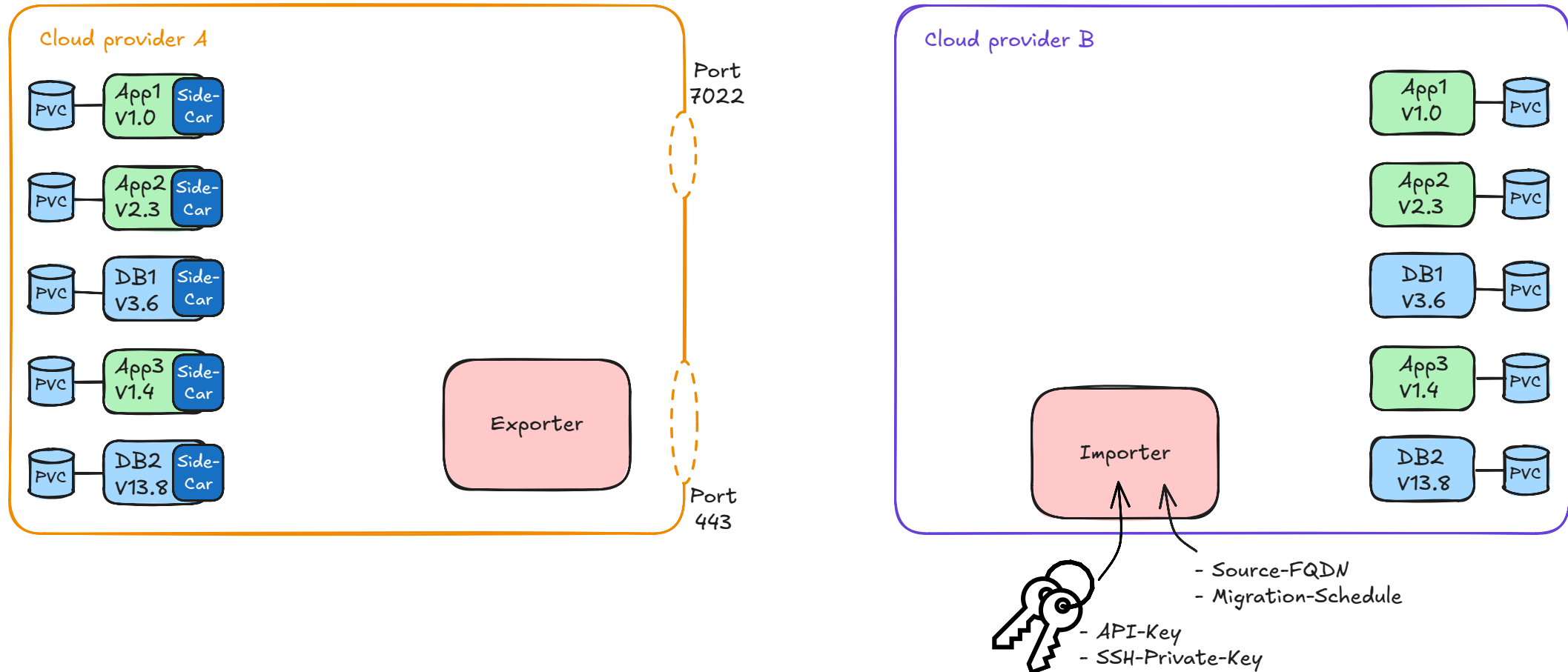
Preparing the migration



Prepare source instance



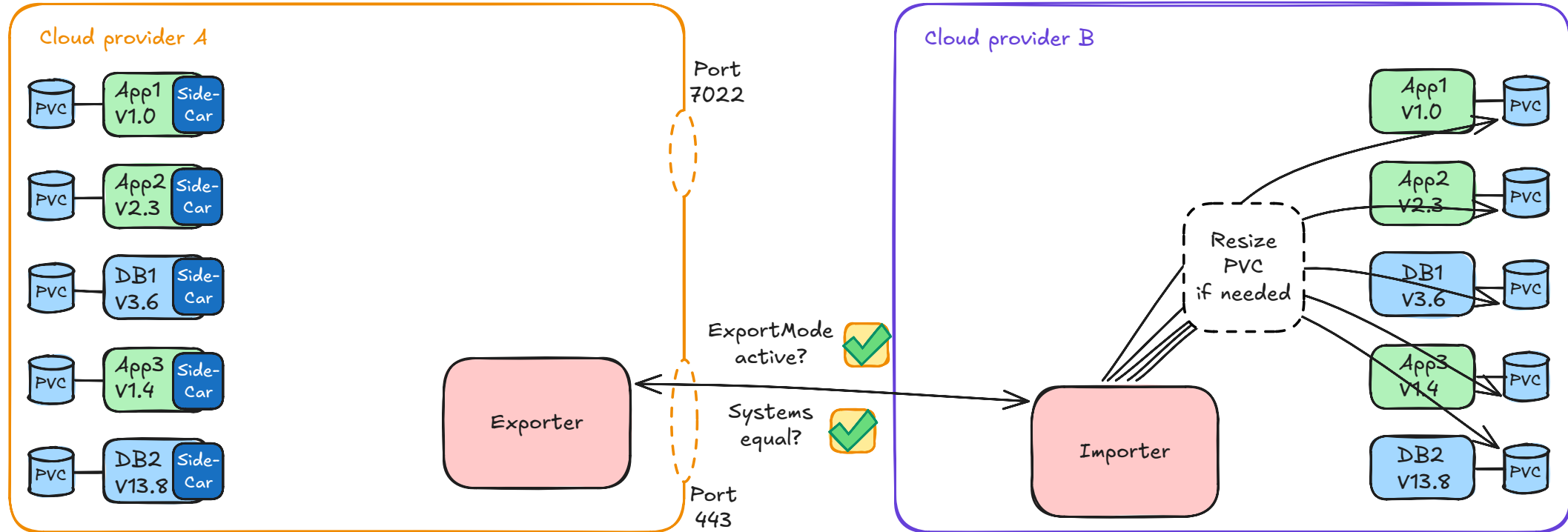
Prepare target instance



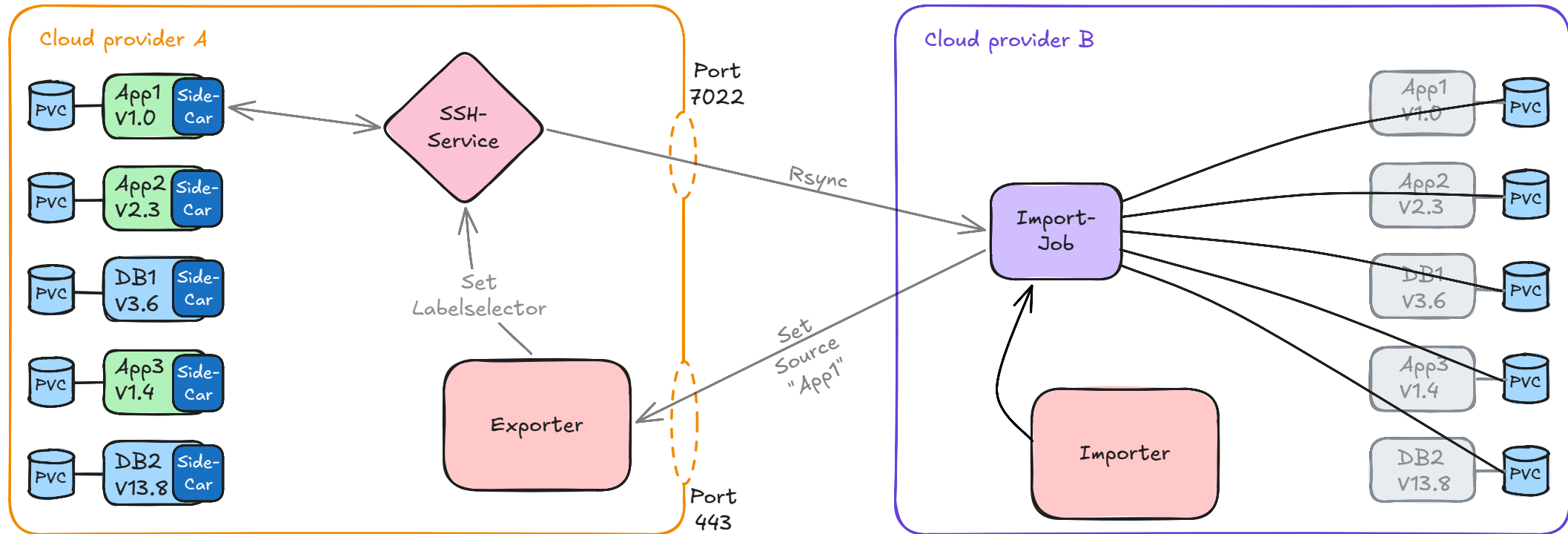
Executing the migration



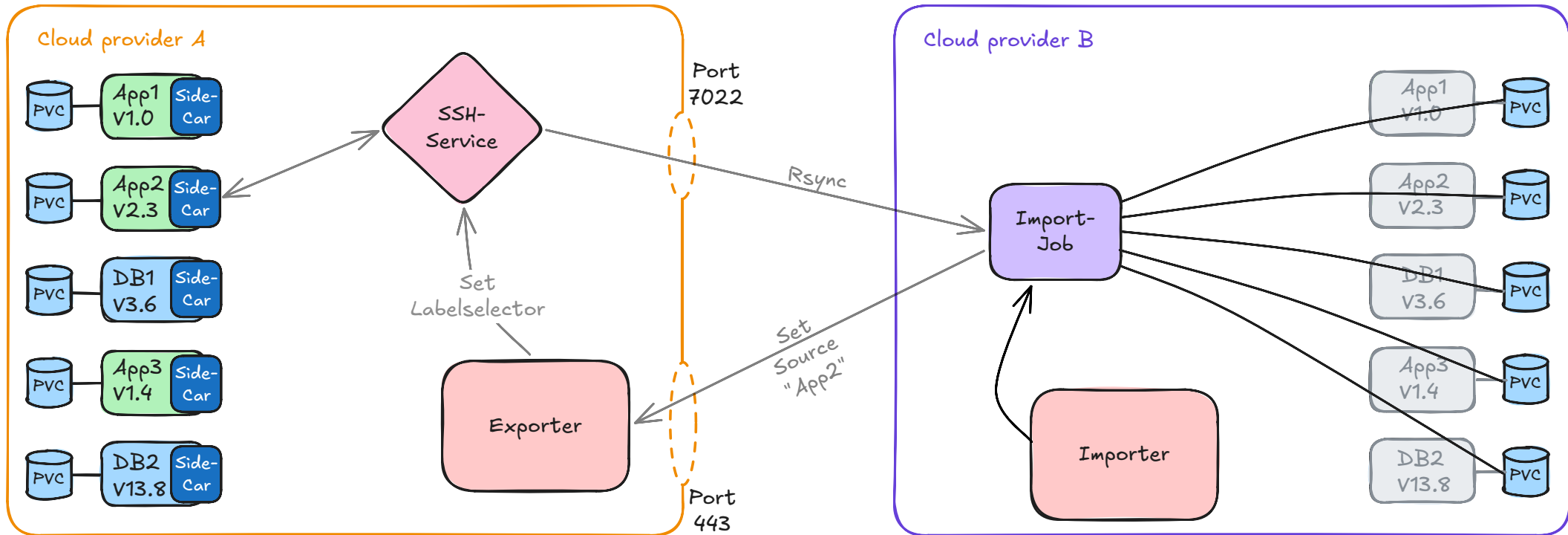
Verify preconditions



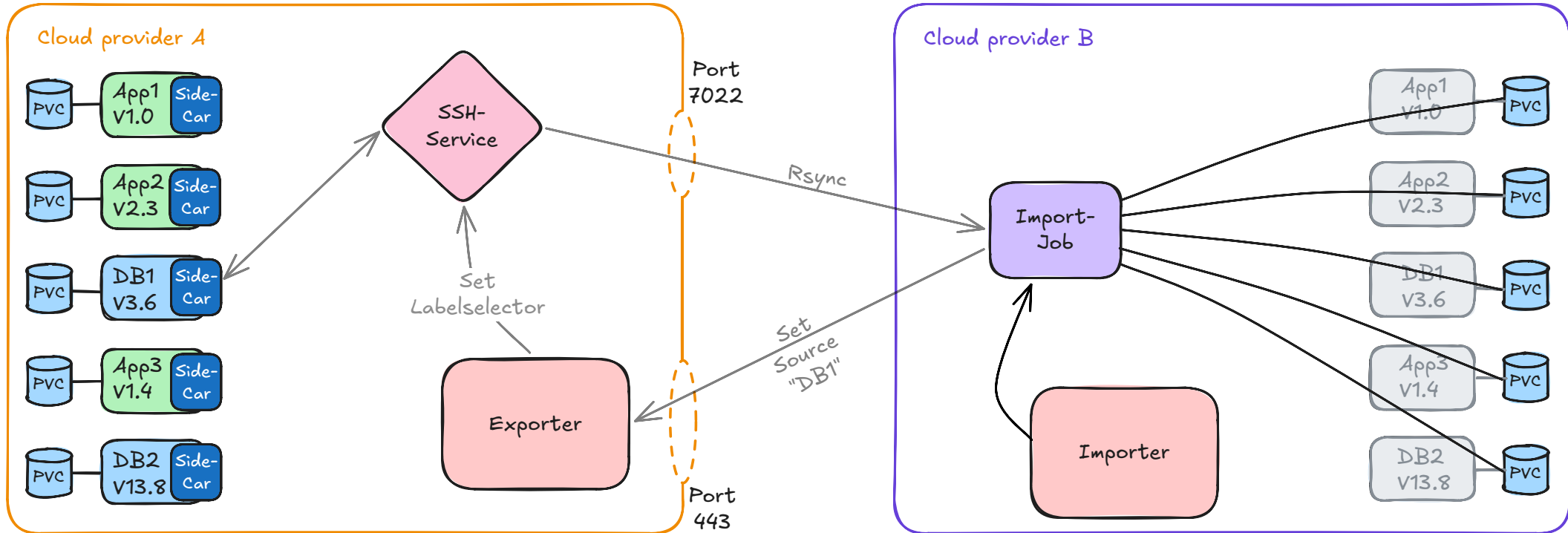
Migrate volume data



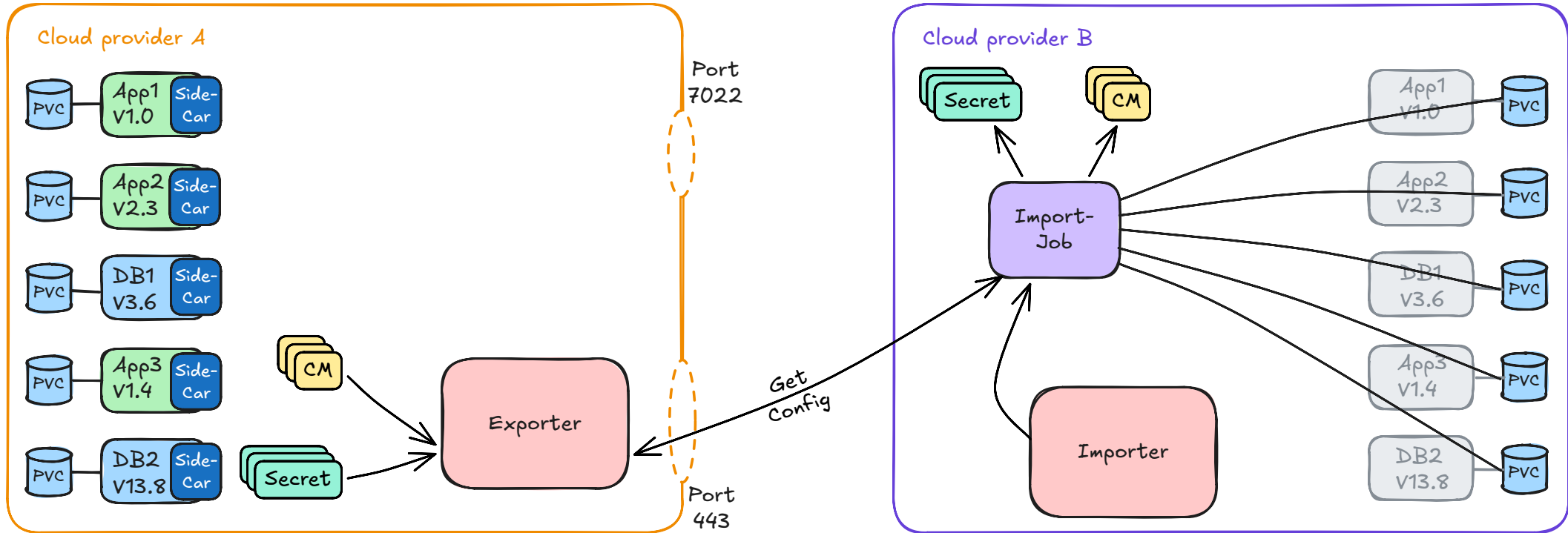
Migrate volume data



Migrate volume data



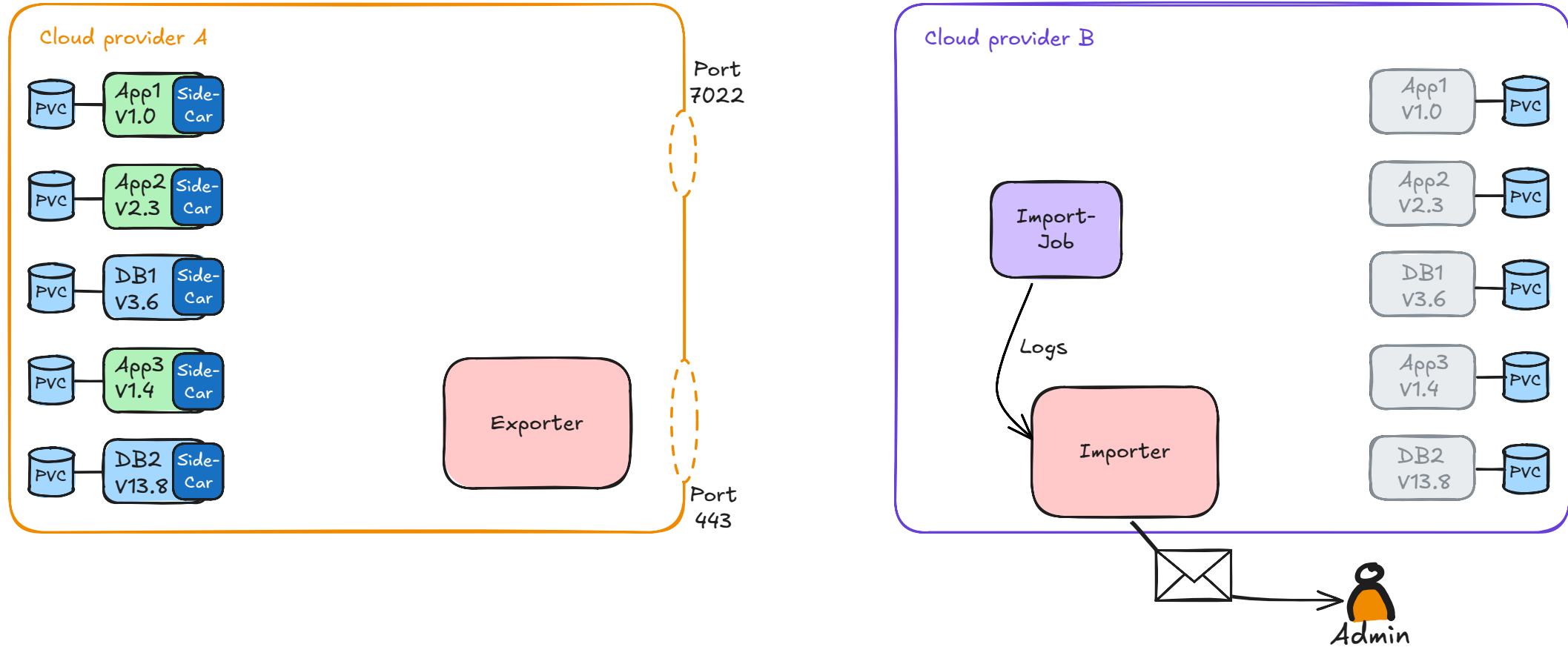
Migrate configuration data



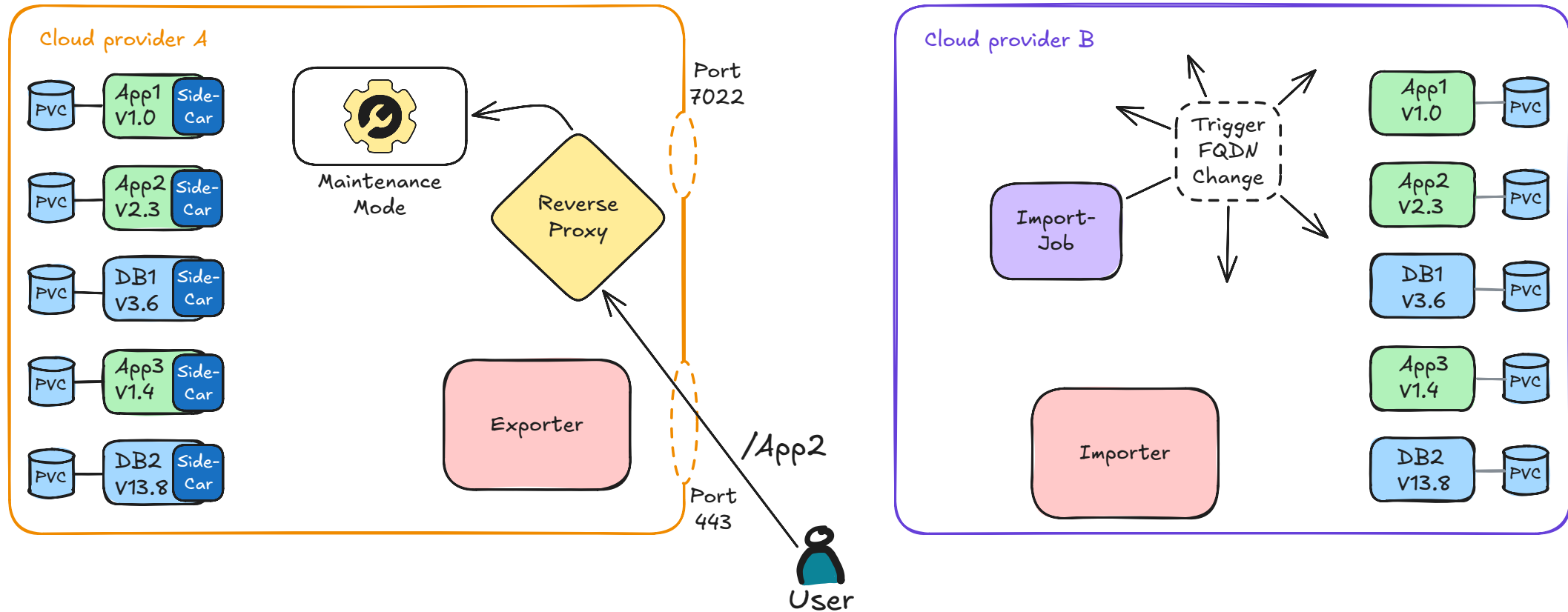
Finishing the migration



Finish migration



Additional steps on final migration



Demo migration



Google
Cloud






Metalstack
Cloud






Conclusion



Migration without the usual pain

-  Repeatable migrations → safe to test
-  Delta-based transfer with rsync
-  Minimal network requirements (443 + SSH)

What we learned

-  PoCs helped de-risk key decisions
-  Separation (exporter / importer) kept it flexible
-  Manual testing became a bottleneck

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Blog Post

Red Stack
Magazin

03/26
(2026/08/14)

Image sources

- Automatic Cloud Switching

https://www.freepik.com/free-vector/cloud-network-technology-icon-white-gradient-background_16406372.htm

- Buzzwords

<https://makeameme.org/meme/buzzwords-buzzwords-everywhere-a120508e67>