Optional section marker or title

Developing a successful cloud transformation strategy

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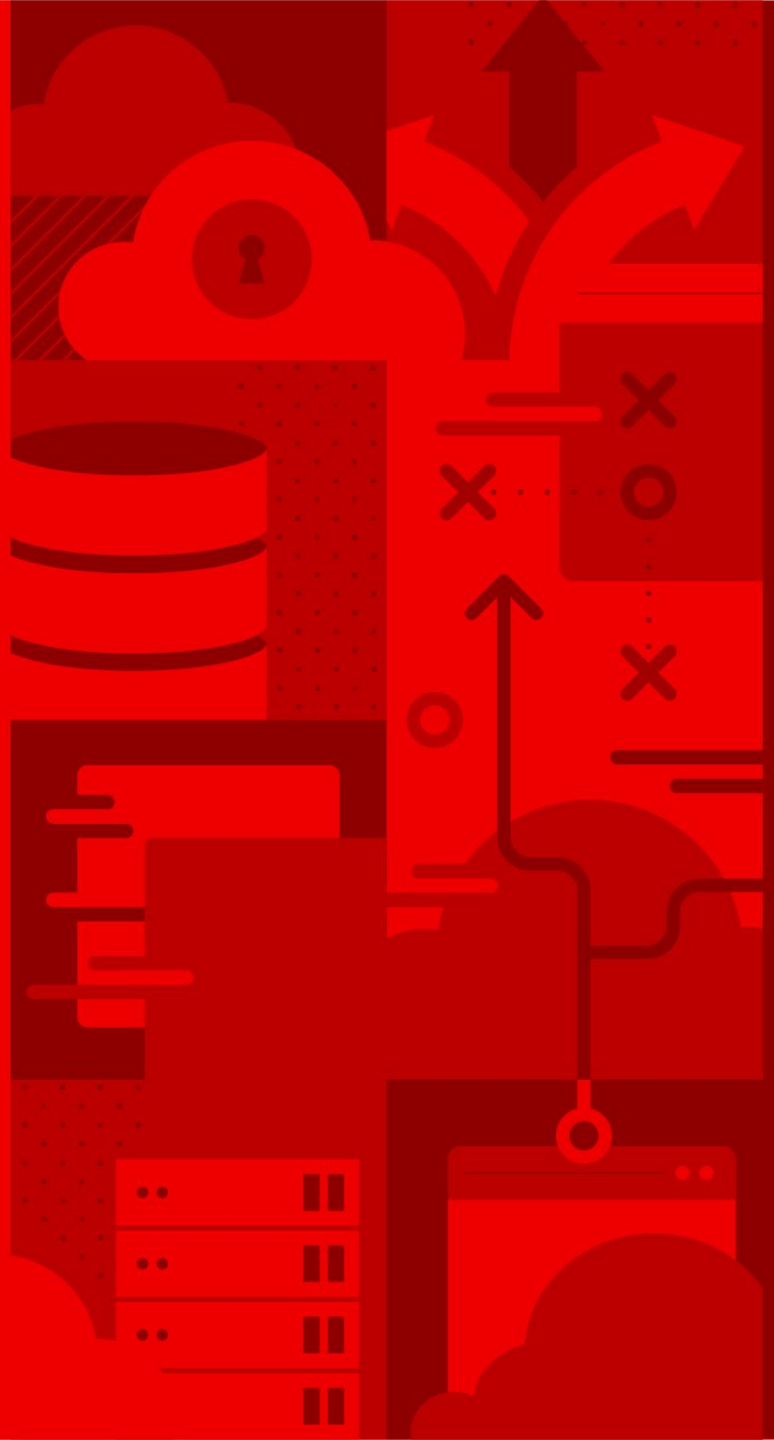

On-premises vs in the Cloud

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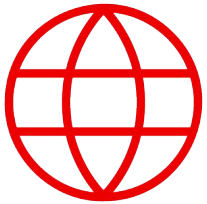
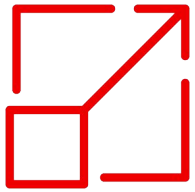
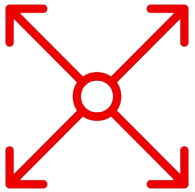
Why Public Cloud at All?



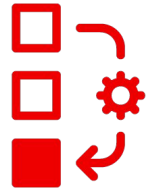
Resources for non-strategic areas



New business opportunities



Scale out capabilities



Latest tooling

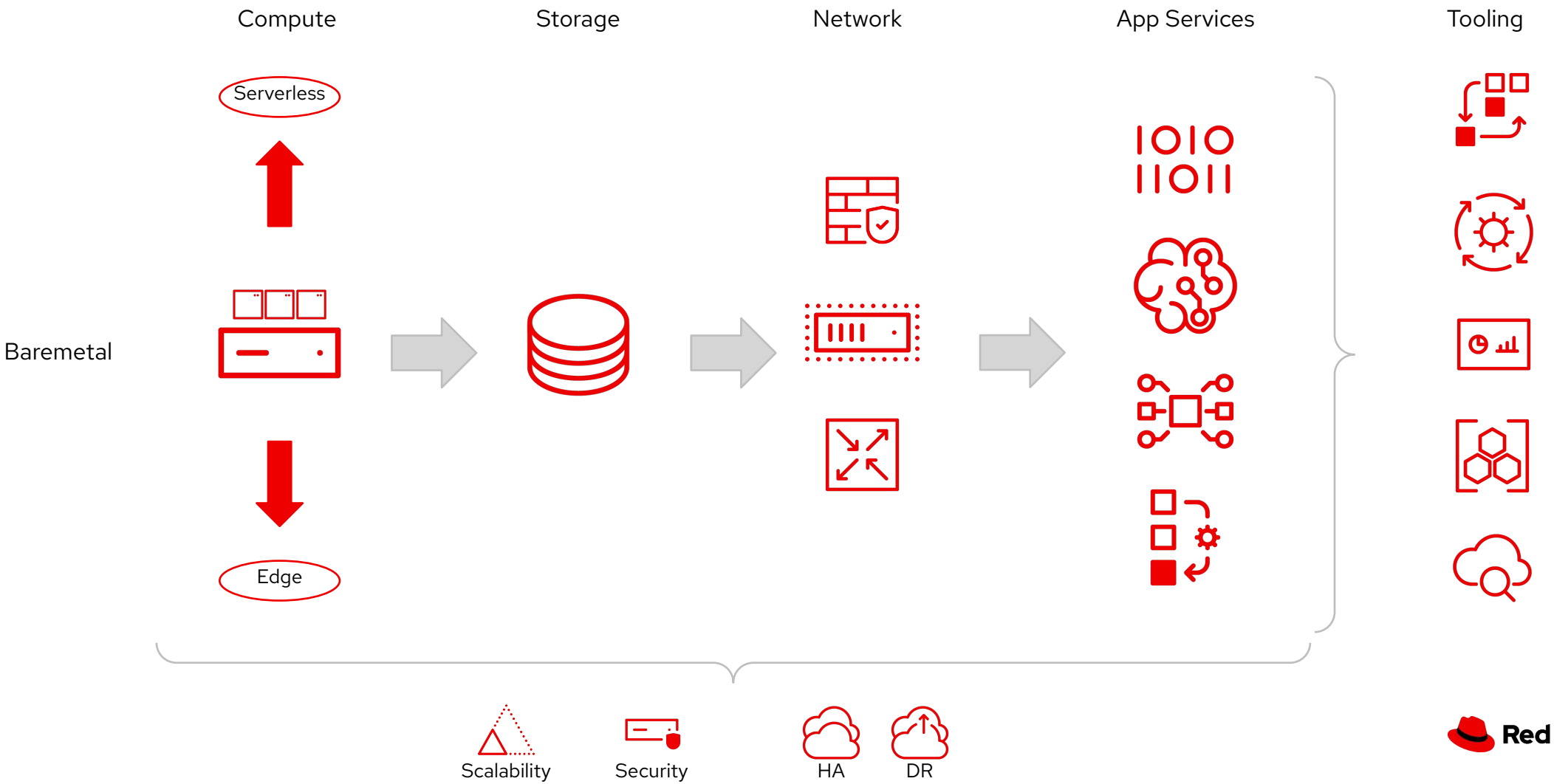
Freeing up CAPEX

Easy to Use
Access to skilled teams

Flexibility to try new opportunities

Balance of trade agreements

Building Your Own Private Cloud



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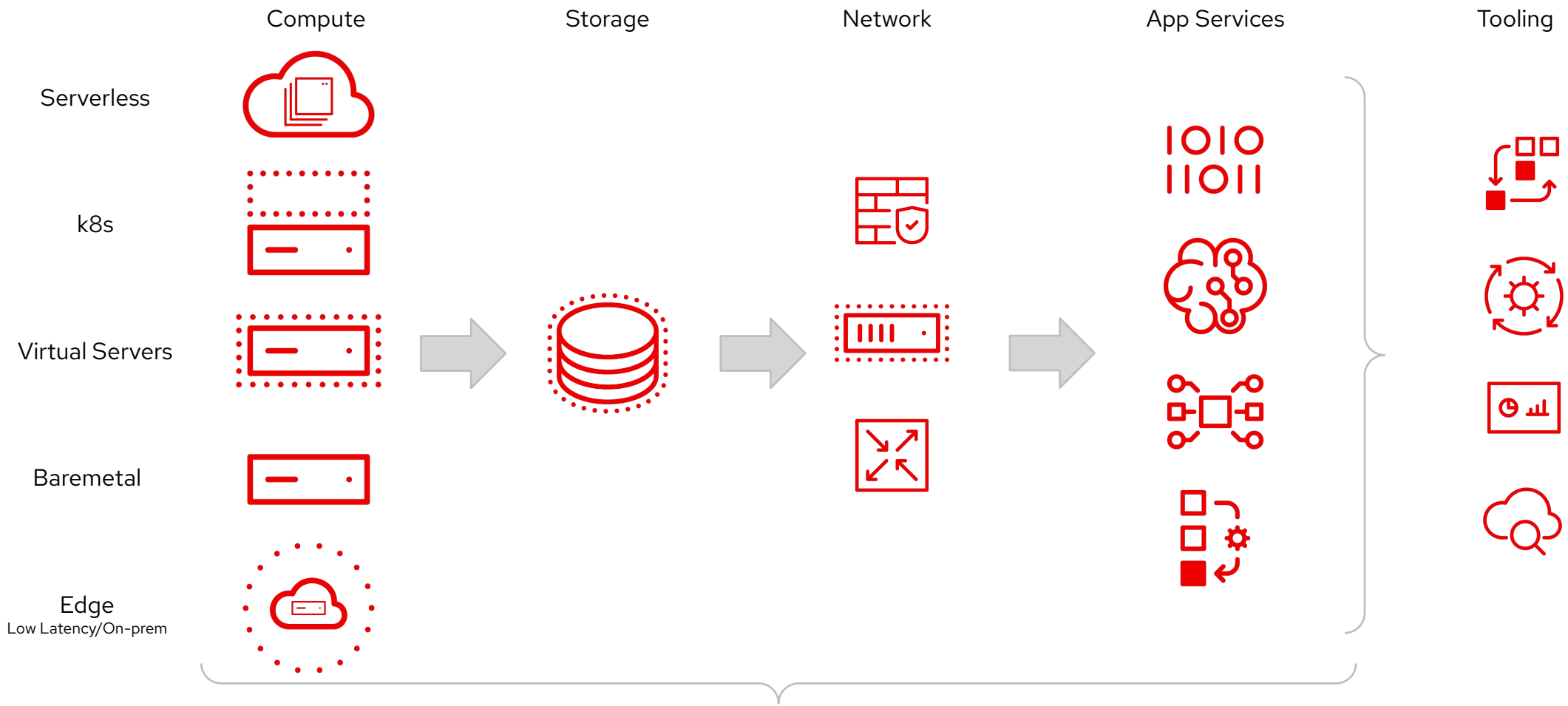
Building Infrastructure in the Public Cloud



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Some Use Cases and associated Cloud services

- **PIX - Instantaneous Payment, for FSI**
  Distributed Event-driven & Massive stream-processing needs
  Unified, high-throughput and low latency requirements handling real-time data feeds

- **Application Development**
  Code development
  Language for coding
  API
  CI/CD Pipelines
  LCM of the application

- **5G Core Stand-Alone**
  Distributed (Core & at the Edge), high-throughput low latency
  Cloud-native environment
  LCM of the solution (several CNFs running on the same cloud-native platform)
  CI/CD Pipelines
  Zero Touch Provisioning
  Monitoring & Observability (FCAPS evolution)

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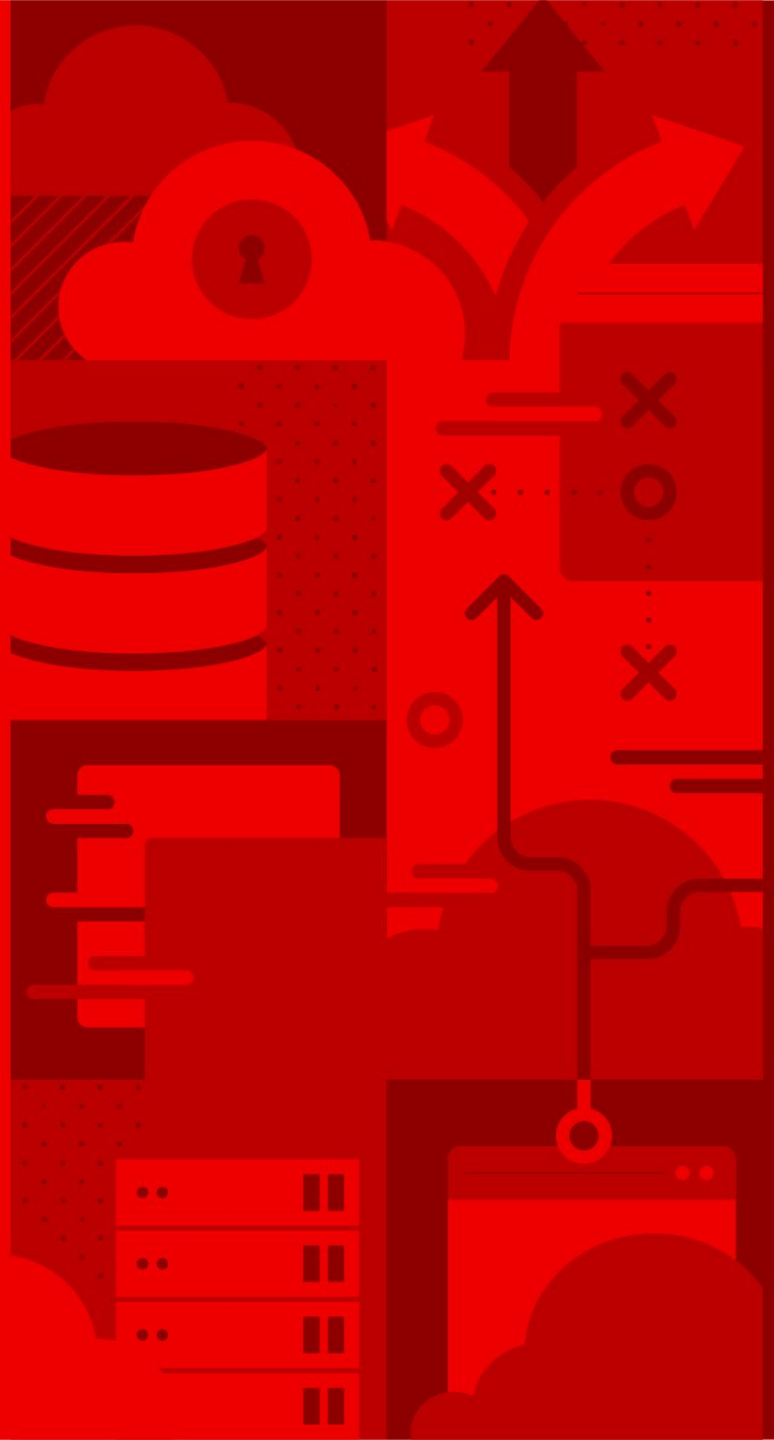

Cloud Transformation Strategy

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Cloud Transformation Strategy

- **HOW?** Is the first question you should ask when considering a hybrid cloud environment;

- **CRITICAL POINTS FOR SUCCESS:**
- Do the proper PLANNING, considering the reasons why you are migrating and predicting the Cloud costs for every use case you are migrating;

- **COSTS**
  1. Cloud services prices varies a lot! Commodity services like Compute and Storage prices have very different prices than Streaming/Event driven services or Observability services;
  2. Consider also the costs for training your team to develop and support cloud services from a specific cloud Provider;

- **SECURITY**
  Cloud providers use the Shared Responsibility Model where they are responsible to secure the Cloud while the Customers are responsible to securing the workloads in the Cloud. Don’t take Security for granted!

- **LOCK-IN AVOIDANCE**
  You are responsible for defining your cloud strategy! If multi-cloud is your strategy, do the planning and go for it!

Red Hat Open Hybrid Cloud

Enabling any application, on any infrastructure, in any location

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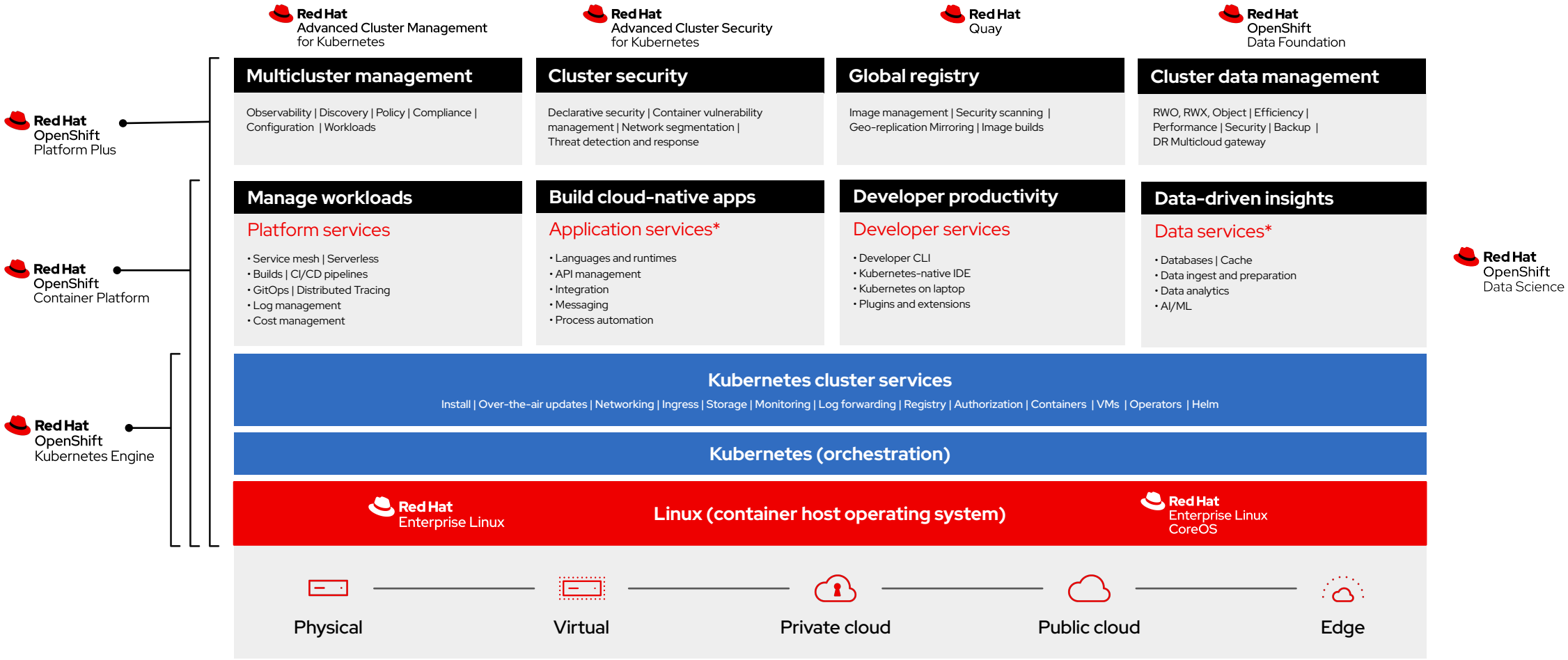
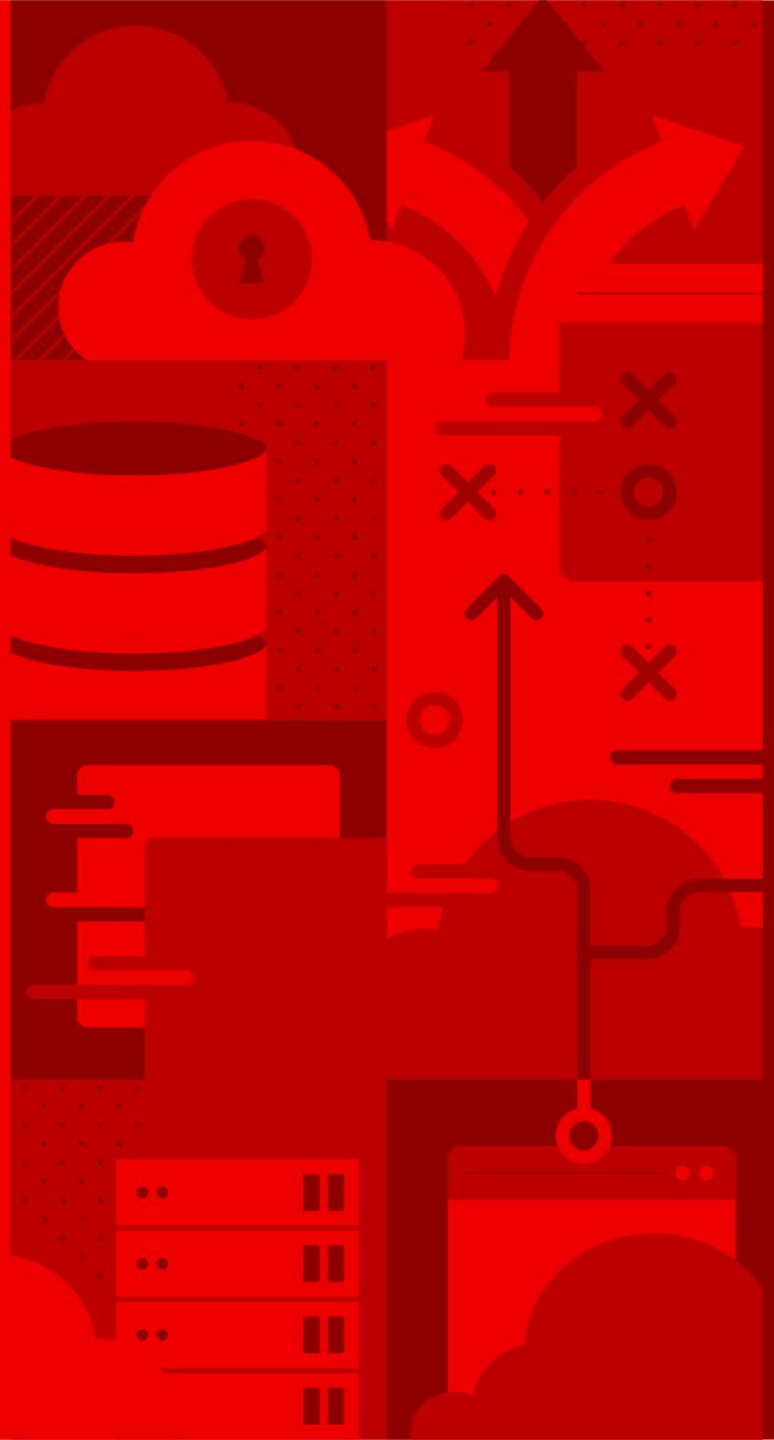
Red Hat Hybrid Cloud Platform



* Red Hat OpenShift® includes supported runtimes for popular languages/frameworks/databases. Additional capabilities listed are from the Red Hat Application Services and Red Hat Data Services portfolios.
** Disaster recovery, volume and multicloud encryption, key management service, and support for multiple clusters and off-cluster workloads requires OpenShift Data Foundation Advanced



Worst-case scenario

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FSI Use Case in Latin America

Moved several workloads to the cloud and come back then did it again with a proper planning

- With new banks born in the Cloud, traditional banks made the move to the cloud without planning!

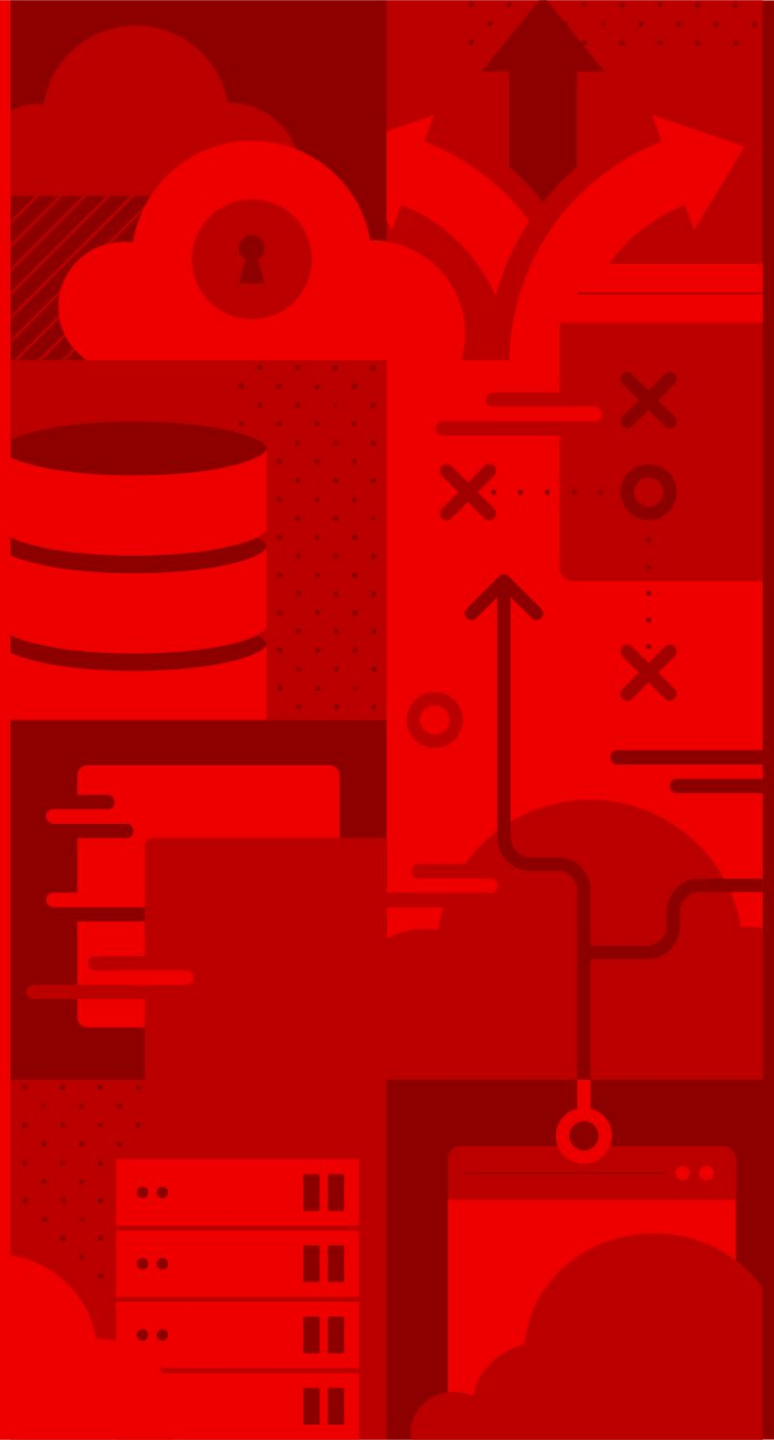
- They have forgotten they had a big legacy of on-premises workloads running in different environments with specific requirements;

- This bank heard the mermaid song from a cloud provider and have started to migrate their workloads to the cloud;

- After migrating big amount of data, they have realized that: the bill is getting more and more expensive. Worse than that, they realized that they will need to pay to remove their data from the cloud;

- What they have done? They did it! They went to the cloud. They get scared with the monthly bills and then they have returned to an on-premises environment;

- And then, they did it again: with a proper planning, minimizing the usage of cloud services, using Compute, Storage e Networking services with Red Hat OpenShift running on top of Compute Bare Metal Instances. All the required services for their various Use Cases were running on Red Hat OpenShift, minimizing their monthly bill!



Cloud Transformation Summary

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You define your cloud journey!

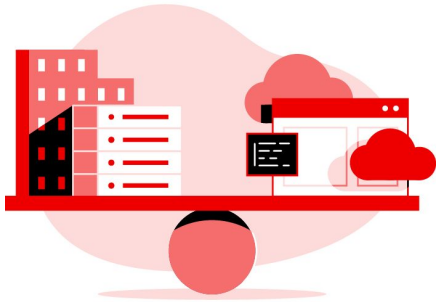
Don’t let the cloud define you

Choice

- **Scalability -** quickly scale across clouds and geographies and pay only for what you need
- **Cloud choice** - provide a path to hybrid multi-cloud and prevent lock for you and your customers
- **Accessibility** - select partners, software and services based on need

Protection

- **Cloud compliance -** avoid risk of being “all-in” on a single vendor
- **Security** - secure applications better without reducing productivity
- **Operational consistency -** *apply* the same operational methodology across your cloud platform



Balance

- **Desired “end-state” -** blend on-premises, private, and public with ability to move workloads seamlessly across clouds
- **Accelerate innovation** - use common tools and APIs
- **Digital evolution** - integrate legacy estate into modern infrastructure

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