TECH BRIEF

Aruba Managed Hybrid Cloud
powered by Red Hat OpenShift

The platform designed to implement and run native cloud applications

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Aruba Managed Hybrid Cloud powered by Red Hat OpenShift: what is it?

Aruba Managed Hybrid Cloud powered by Red Hat OpenShift is an enterprise-level Kubernetes platform designed for an **open source hybrid cloud strategy**.

The PaaS service, based on **Red Hat OpenShift**, provides an experience that is fully managed, integrated and monitored thanks to **Aruba Enterprise's Managed Services**.

Hardware and Software infrastructure	Red Hat OpenShift	Aruba Enterprise Managed Services
Infrastructure equipped with server, switch and enterprise level storage, as well as an enterprise grade hypervisor for a virtualized model, ideal for using an enterprise level container-based platform on a virtual infrastructure.	Thanks to the licenses that include the basic modules needed for the platform to work properly, the service allows you to implement Kubernetes clusters on the Enterprise Red Hat platform.	The process of modernizing applications is supported by a team of experts available 24/7, who can guarantee their customers the reliability and performance of the market-leading application containerization platform.

Aruba Managed Hybrid Cloud powered by Red Hat OpenShift: features

Fast and effective
The creation and distribution of workloads is managed in real time within an enterprise-grade hardware-based technology infrastructure.

Reliable and secure
The infrastructure – fault-resistant thanks to high availability clusters, redundant network and enterprise storage – leverages Red Hat's security technologies and modules.

Scalable
By using the latest cloud technologies, resources can be scaled automatically in real time.

Managed
Aruba Enterprise managed services cover the entire technology stack: HW, virtualization layer, OpenShift cluster and backup.

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Aruba Managed Hybrid Cloud powered by Red Hat OpenShift: physical and virtual

When to use virtual (VM)	Use case
Virtualized solutions are best used for environments that need to be easily scalable, in which the quantity and sizing of worker nodes can be changed, starting from the minimum size available. Virtual solutions are flexible, with customized modular costs based on needs and requirements and elastic expenditure (Flex packs offer virtual upgrade). Rapid provisioning facilitates the time to market.	✓ Limited computational size ✓ Agile and flexible ✓ Rapid provisioning times
When to use physical (BareM)	**Use case**
Physical solutions are suitable for specific performance requirements and the expansion of environments is easy to plan. Physical solutions are highly scalable and develop with uniform worker nodes with pre-established sizing. They offer a balanced cost/performance ratio and are compressed proportionally as the environment develops.	✓ Large computational size ✓ High performance ✓ Balanced cost/performance ratio

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Aruba Managed Hybrid Cloud powered by Red Hat OpenShift: solutions available

VIRTUALIZED	**VM Standard Base Pack** To implement applications from small environments. Option to scale resources, with the VM Standard Pack Upg.	**VM Standard Flex Pack** To implement applications from small environments. Option to scale resources, with 2 upgrade packs available.	**VM Standard Flex Pack License Upg** To scale resources to be allocated to workloads within the VM Standard Flex Pack (vertical upgrade).	**VM Standard Pack Upg** To extend the VM Standard Base Pack and allocate more resources for workloads (scale-out upgrade).
	VM Large Base Pack To implement applications from large environments. Option to scale resources, with the Cloud VM Large Pack Upg.	**VM Large Flex Pack** To implement applications from large environments. Option to scale resources, with 2 upgrade packs available.	**VM Large Flex Pack License Upg** To scale resources to be allocated to workloads within the VM Large Flex Pack (vertical upgrade).	**VM Large Pack Upg** To extend the VM Large Base Pack and allocate more resources for workloads (scale-out upgrade).
PHYSICAL	**BareM Standard Pack** To implement applications from small, high-performance environments. Option to scale resources, with the BareM Standard Pack Upg.	**BareM Standard Pack Upg** To extend the BareM Standard Pack and allocate more resources for workloads (scale-out upgrade).	**BareM Large Pack** To implement applications starting with large and high-performance environments. Option to scale resources, with the BareM Large Pack Upg.	**BareM Large Pack Upg** To extend the BareM Large Pack and allocate more resources for workloads (scale-out upgrade).

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Aruba Managed Hybrid Cloud powered by Red Hat OpenShift: benefits

The partnership between two leading companies like Aruba Enterprise and Red Hat boosts the value of the solution, offering a number of operational advantages.

Cloud Native
Develop applications in DevSecOps mode with a microservices approach.

Next-generation technology
Access the latest technology infrastructure to ensure maximum performance and maximum efficiency.

Compatable
Using a platform based on open-source products makes it possible to migrate workloads anywhere and anytime, both onto an on-premises infrastructure or to other public clouds.

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Aruba Managed Hybrid Cloud powered by Red Hat OpenShift: governance model

Aruba Enterprise's responsibility

- Platform updates
- Checking the availability of the OpenShift platform and managing anomalies
- Monitoring the OpenShift cluster and detecting the key performance indicators
- Monitoring the availability of sufficient space to store backup copies(*)
- Escalation to the vendor for level 3 support

Customer's responsibility

- Managing the life cycle of applications (create, CI/CD, backup, restore)
- Creating and managing customer's application users
- Monitoring the application services and use of resources
- Platform updates: Compatibility tests and adapting applications

(*): If the optional Backup service has been purchased

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Aruba Managed Hybrid Cloud powered by Red Hat OpenShift: use cases

Data Center Extension
If Red Hat is used on-premises, the solution allows its use to be extended to an Aruba Enterprise data center environment for various different purposes (pick area, high availability/DR, test/DEV, etc.).

Native Cloud development
The availability of a container-based, multi-tenant Enterprise managed platform is a resource for developing applications with a Cloud Native approach.

Hybrid infrastructure
The platform facilitates the control and use of complex infrastructures that require the management of virtual machines and containers within the same environment.

GDPR compliant
Using the Red Hat OpenShift platform means you can rely on a Kubernetes environment that complies with the relevant regulations.

Multiprovider scalability
The automated scalability within the infrastructure purchased by the customer is reinforced by the ability to take workloads to different cloud providers.

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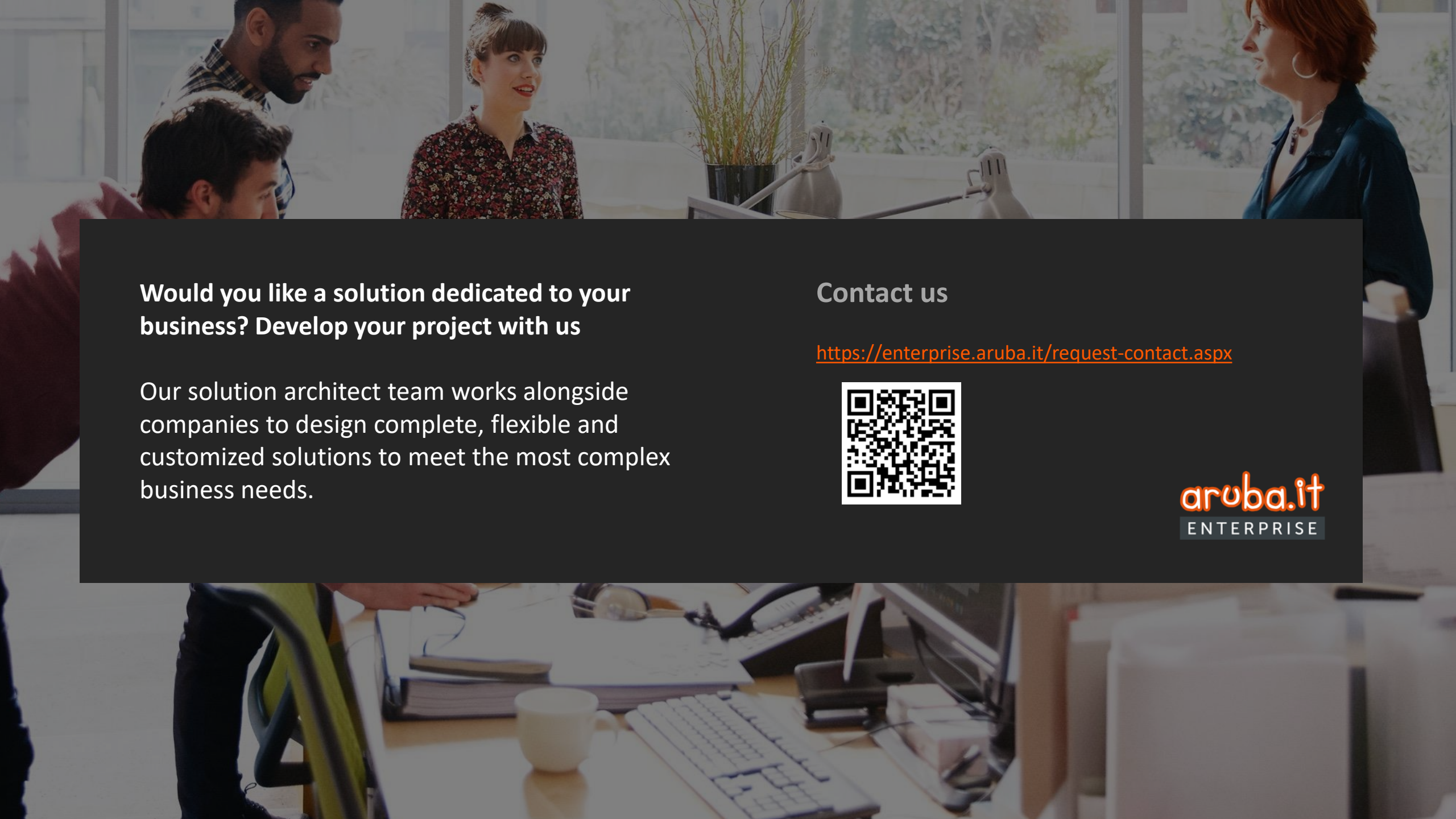

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