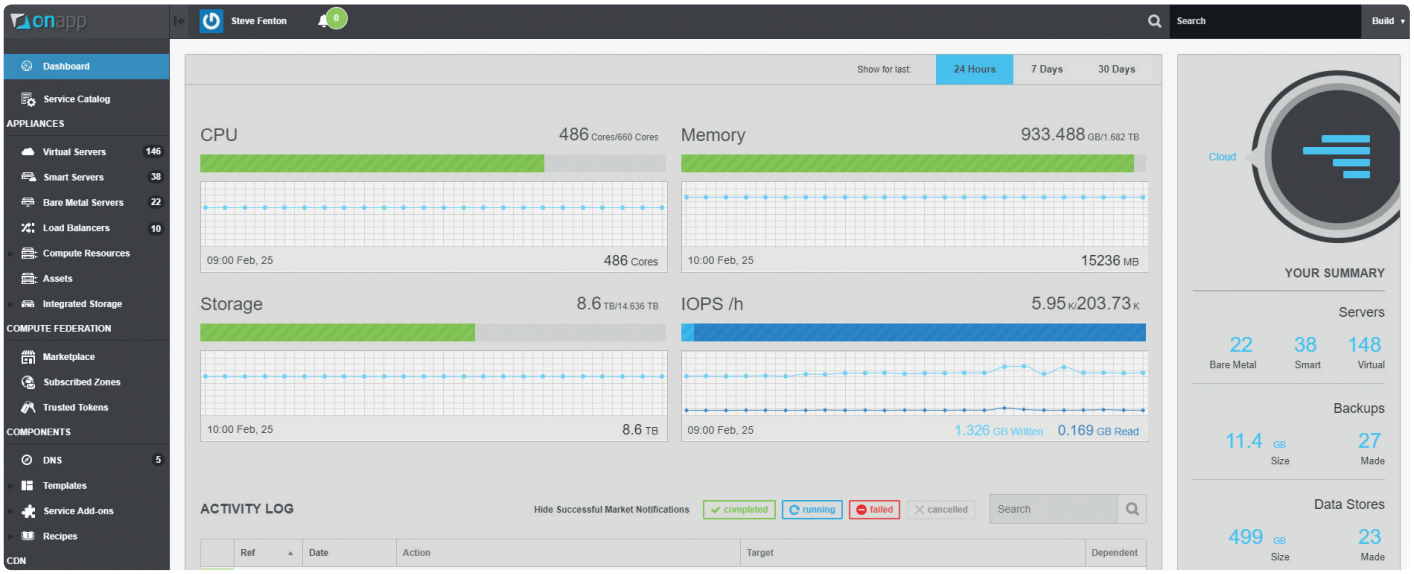
Bare Metal and Smart Servers

Automate everything - including dedicated servers

With OnApp you can sell much more than just cloud. Through one control panel, you can provision physical infrastructure as virtual cloud servers, bare metal servers, or “smart servers” that combine the best features of both.



Bare Metal servers

OnApp can automatically deploy bare metal servers for resource-intensive apps that need all of the hardware - saving time and effort on provisioning and customization.

- Auto provision/customize
- No virtualization
- Single tenant/single OS
- Full access to hardware

Smart Servers

Smart Servers provide almost all of the performance of a bare metal server with with the automation, scaling and failover of cloud. They’re ideal for high performance hosting at scale with minimal effort.

- Auto provision/scale/failover
- Thin KVM virtualization
- Single tenant/single OS
- Hardware pass-through

Virtual Servers

OnApp Virtual Servers give you all the flexibility of cloud, with 100% automation, multi-tenancy, and the widest choice of hypervisor and storage configurations.

- 100% automated
- Xen / KVM / VMware
- Multi tenant/multi OS
- Shared hardware

same rack

one control panel, one API

one template library

Flexible service design, efficient delivery

Combining cloud, bare metal and smart servers in OnApp enables you to meet a huge range of customer workload requirements - and can save a fortune on manual server configuration.

Your customers can spin up bare metal and smart servers on demand, with OS, applications and patches installed automatically - and with smart servers, you can give them single-tenant dedicated server performance with the self-service, autoscaling and failover of cloud.

Automate more of your datacenter

Bringing cloud and dedicated servers together makes it much easier to manage your infrastructure. OnApp virtual servers, smart servers and bare metal servers can co-exist in the same rack, and you can re-provision each physical server as any kind of OnApp appliance at will.

OnApp deploys dedicated bare metal and smart servers automatically, using templates and recipes to install the OS and applications your customers need. Wiping drives, setting up security options, installing and patching applications - it's all fully automated.

Reduce maintenance costs

RAM is cheap: technician time is not. Statistics from OnApp customers show that it costs an average of $100 per visit for a tech to install more RAM in a traditional dedicated server - more if you include the process of customers raising a support ticket or going through sales.

With OnApp smart servers you can reduce these operational costs with 100% automated provisioning and scaling.

Customers can spin up smart servers and scale their resources on demand, with billing adjusted accordingly, while getting almost all the raw performance of the hardware.

Simplify your server estate

Bringing cloud and dedicated servers together also gives you the opportunity to standardize hardware and simplify server maintenance.

For large dedicated server estates, it's much more efficient to use smart servers, running on a standard hardware configuration, for different sized dedicated hosting products. RAM, disk and CPU can scale on demand when customers need more performance. No more manual dedicated server configuration. Sell new services

If you're a pure cloud provider, OnApp smart and bare metal servers let you handle workloads that customers don't want to host in 'the cloud', for performance or security reasons.

If you already offer traditional dedicated servers, you can use OnApp to sell new dedicated products with much greater automation and ease of use – for example, by offering smart servers with monthly plan pricing, and the ability to burst on a pay-as-you-go basis.

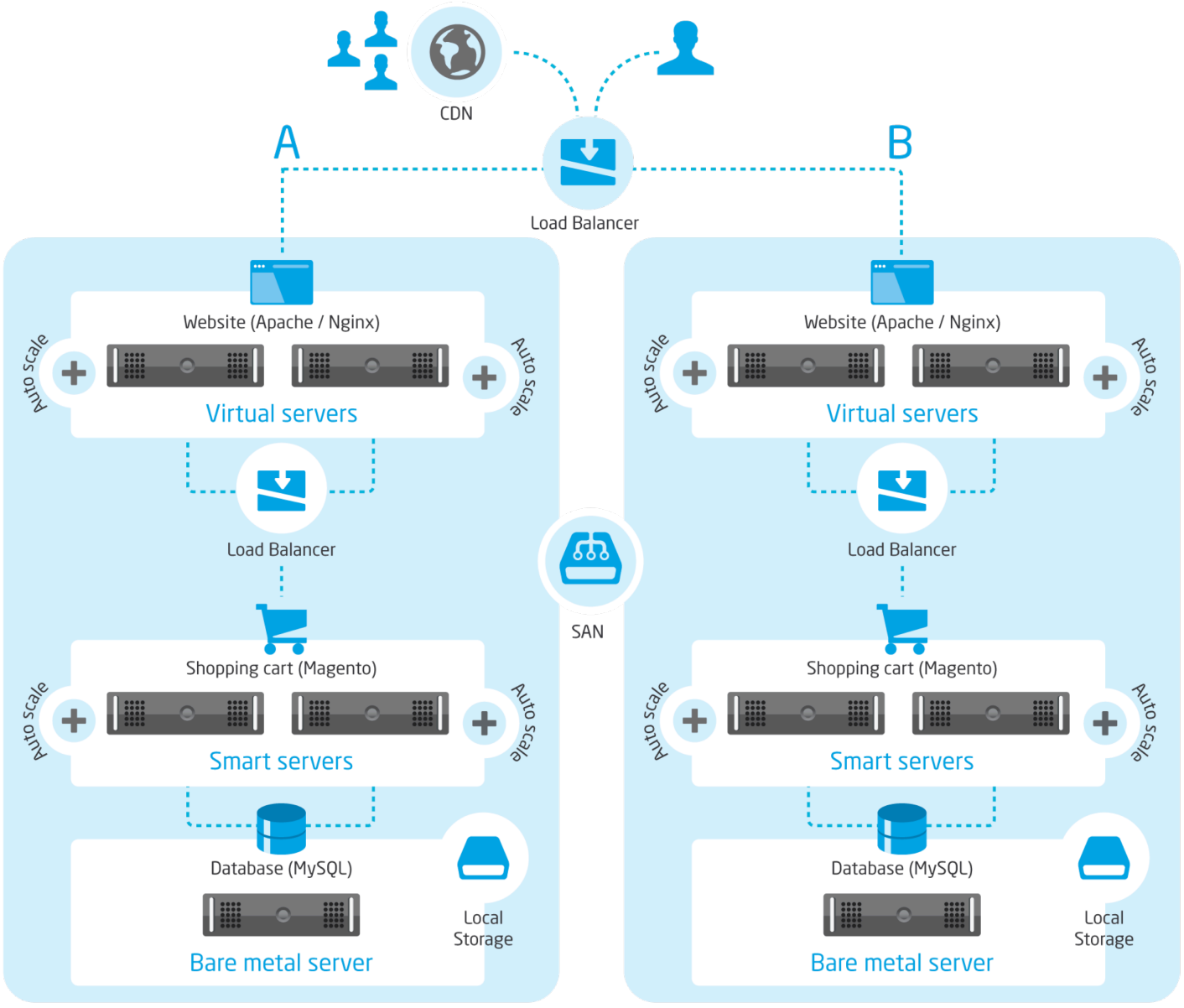
One pane of glass: many different workloads

By combining dedicated servers with OnApp's complete set of cloud, CDN, DNS and storage capabilities, you can automate hosting for workloads with a wide range of performance, resilience, security and scalability requirements.

Magento®

In this example, OnApp manages a multi-tier e-commerce app for an online retailer:

- Virtual servers host the website, providing maximum scalability for traffic peaks
- Smart servers give more performance for the transaction layer, plus autoscaling for peaks
- Dedicated servers provide 100% predictable performance for the database



onapp

OnApp server features at-a-glance

OnApp gives you a single 'pane of glass' for cloud, dedicated and smart servers. Sell servers with 100% performance, 100% flexibility, or the best of both on one platform.

		Virtual Servers performance ●●●○○	Smart Servers performance ●●●●○	Dedicated Servers performance ●●●●●
Provisioning	Self-service via UI	●	●	●
	Cloud boot	●	●††	●††
	Recipes	●	●	●
	Host edge server	●	●	–
Virtualization	Xen	●	–	–
	KVM	●	●	–
	VMware	●	–	–
Storage	Local Storage	●†	–	●††
	SAN	●	●	–
	Integrated storage	●	●	–
High availability	Automatic failover	●	●	–
	Integrated backup	●	●	–
	Incremental backup	●	●	–
VM Management	Rebuild VM	●	●	–
	Edit / migrate VM	●	●	–
	Delete VM	●	●	●
	Load balancing	●	●	–
	Autoscale up / out	●	●	–
	Reboot guest OS	●	●	–
	Reboot in recovery mode	●	●	–
	Shut down guest OS	●	●	–
	Suspend	●	●	–
	Segregate VM	●	–	–
	Reset root password	●	●	–
	Change owner	●	●	–
	Set SSH keys	●	●	–
Network options	VNC access	●	●	–
	HTML5 access	●	●	–
	Edit firewall rules	●	–	–
	Manage interfaces	●	●	–

† no failover with local storage †† mandatory

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