CISCO

IBM

PureApplication Software on VersaStack for simple, accelerated and optimized application delivery

Highlights

- **Together, PureApplication Software and VersaStack simplify and accelerate application delivery.**

- **PureApplication is the fastest and simplest way to deploy enterprise applications and middleware onto cloud environments.**

- **PureApplication Software provides workload deployment and cloud management capabilities on new or existing VersaStack deployments.**

- **With PureApplication Software and VersaStack infrastructure, clients can experience speedy deployment, improved operating agility and simplified administration.**

The pace of business continues to accelerate, with customers expecting new and better application services delivered quickly. IBM® PureApplication® Software on VersaStack™ allows your organization to easily develop and deliver applications faster. Weeks of manual effort, documentation and ongoing maintenance are replaced by less than a few hours to deploy IBM recommended highly available golden topology in a repeatable fashion.
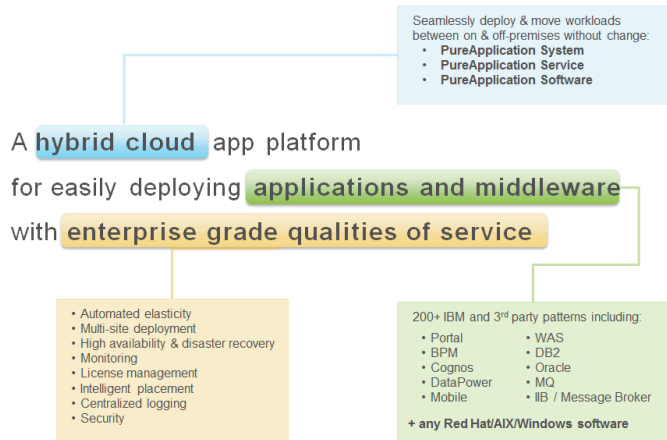
PureApplication Software brings pattern-based deployment of applications for greater business agility and lower total cost of ownership. VersaStack brings integrated infrastructure for greater reliability, efficiency and flexibility. Together, PureApplication and VersaStack simplify and accelerate the deployment of applications with enterprise-strength hybrid cloud.

IBM PureApplication is the simplest and fastest way to deploy and manage applications middleware

IBM PureApplication is an application platform for quickly and repeatedly deploying applications and middleware with enterprise-grade services. Whether on-premises or off-premises, IBM PureApplication makes it simple and fast to deploy your applications and core middleware for the first time or move them from one environment to another. For example, clients can deploy an application on-premises and then move it onto a cloud off-premises, or vice versa, without changing the application.

What is PureApplication?

Seamlessly deploy & move workloads between on & off-premises without change:
• **PureApplication System**
• **PureApplication Service**
• **PureApplication Software**

A hybrid cloud app platform

for easily deploying applications and middleware

with enterprise grade qualities of service

• Automated elasticity
• Multi-site deployment
• High availability & disaster recovery
• Monitoring
• License management
• Intelligent placement
• Centralized logging
• Security

200+ IBM and 3rd party patterns including:
• Portal   • WAS
• BPM   • DB2
• Cognos   • Oracle
• DataPower   • MQ
• Mobile   • IIB / Message Broker
+ any Red Hat/AIX/Windows software

The PureApplication portfolio includes three products, depending on your business requirements. It is available as a pre-integrated hardware and software appliance, a cloud-based service on SoftLayer, other cloud environments, or a software offering with the flexibility to run on the client's hardware platform of choice.
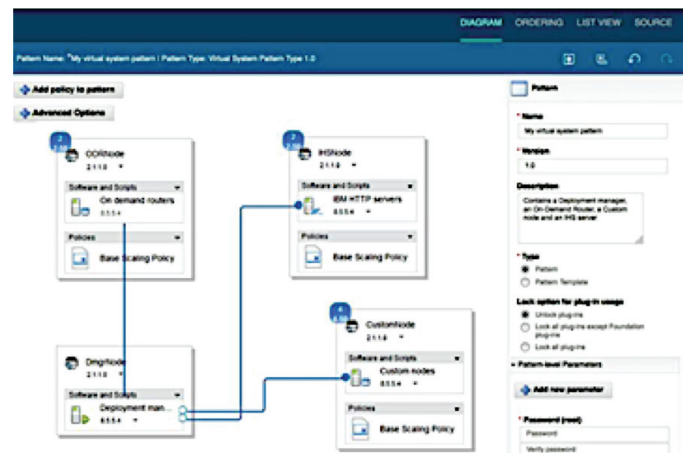
The power of patterns

It's as easy as a few clicks to move and deploy your application configuration and provision virtual system resources using patterns. Patterns make provisioning new environments fast, easy and repeatable to help you eliminate delays and differences in standing up development, test or production environments.

IBM PureApplication patterns are proven best practices and expertise for configuring and deploying middleware and runtimes that are captured and optimized into a deployable form.

You can access pre-built, pre-integrated deployment patterns from IBM or third-party providers, and customize these patterns or create your own.

PureApplication Pattern Editor UI

The same patterns work both on-premises and off-premises, allowing your organization to easily move workloads across the hybrid environment for flexibility, scalability and business advantage.

VersaStack delivers extraordinary levels of performance and efficiency

VersaStack is an integrated infrastructure solution jointly developed by IBM and Cisco. VersaStack combines the innovation of Cisco UCS® Integrated Infrastructure with a range of IBM storage solutions built with IBM Spectrum Virtualize to deliver extraordinary levels of performance and efficiency. VersaStack provides fast repeatable deployments and a reduced IT footprint through the use of advanced storage tiering, real-time compression, service profiles

and network virtualization capabilities that are embedded into the solution. Backed by Cisco® Validated Design (CVD), a detailed design document and implementation guidance, clients experience speedy deployment, improved operating agility and simplified infrastructure administration through a single pane of glass management.

VersaStack is easy to configure and maintain. With advanced virtualization of compute, storage, and network, VersaStack allows diverse application workloads to share the underlying hardware efficiently. It has the flexibility to be dynamically reconfigured to support changing requirements, and to scale up and out dynamically. VersaStack is versatile in the breadth of workloads it is capable of supporting, for both traditional and cloud workloads. It can power exceptionally performance-hungry application environments or it can be a cost-effective option for remote / branch offices. Clients can start small and grow as needed, whether in storage capacity or by the number of applications running, and still maintain a unified management interface.
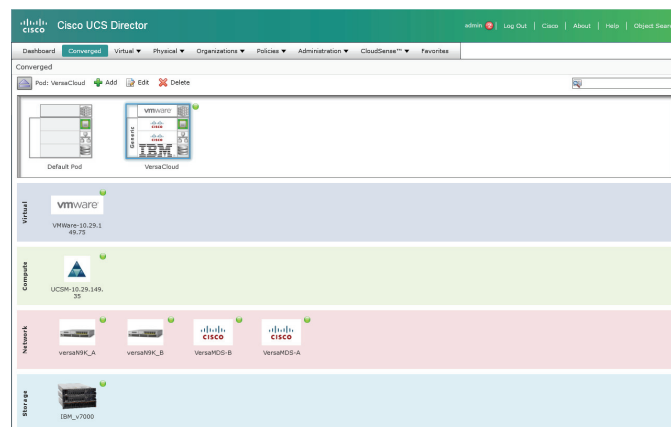
With PureApplication Software and VersaStack integrated infrastructure, clients experience speedy deployment, improved operating agility and simplified administration

For organizations that need to use their existing hardware, adding PureApplication Software provides middleware automation software to create a robust, fully integrated stack. VersaStack provides the compute, storage, and network "muscle" for an efficient and versatile integrated infrastructure platform. Clients are responsible for the setup, management and maintenance of the storage, network, compute and virtualization with this option.

PureApplication Software provides the life cycle management function for middleware applications, and VMware is the management layer for hardware virtualization. VMware vCenter provides an abstraction and virtualization of the underlying hardware. PureApplication Software is capable of running on any VMware vCenter 5.1 or 5.5 platform.

Cisco UCS Director is used for advanced hardware management for Cisco Unified Computing System™ (Cisco UCS) blade and rack servers, Cisco Nexus® network switches, Cisco MDS fibre channel switches, IBM® Storwize V7000 andV5000 and IBM FlashSystem® V9000 in a single advanced interface. It provides hardware deployment process automation flows for tasks like customer server boot configuration, storage LUN provisioning, and network VLAN and port configuration.

USC Director Virtual Data Center View (vDC)

Business value comes quickly

With PureApplication Software with VersaStack, you can:

- Deploy applications anywhere seamlessly: Create applications once and deploy between on-premises and off-premises without changing patterns.

- Accelerate application delivery: Allow IT to provision and deploy environments into test or production in minutes, not months.

- Adopt open technologies with enterprise-strength management: Easily integrate emerging technologies such as Docker, Chef and Heat into your enterprise environment and integrate existing middleware, applications and databases.

- Lower costs through automation and simplification: Clients can achieve savings up to 70%. IBM Global Technology Services have demonstrated a 34–50% savings in just labor costs and hardware consolidation can bring these savings up to 70%.

- Reduce risk with patterns to decrease errors: Take advantage of patterns and built-in automation for faster, repeatable and reliable deployments.

For more information

To learn more about PureApplication and VersaStack, contact your IBM representative or IBM Business Partner, or visit: ibm.com/platformcomputing.

Additionally, IBM Global Financing can help you acquire the IT solutions that your business needs in the most cost-effective and strategic way possible. We'll partner with credit-qualified clients to customize an IT financing solution to suit your business goals, promote effective cash management, and improve your total cost of ownership. IBM Global Financing is your smartest choice to fund critical IT investments and propel your business forward. For more information, visit: ibm.com/financing.

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