



NetApp®
Go further, faster



NetApp Based Cloud Services > **Application Development as a Service**

Quest Virtual Application Development Service

Sharpen your competitive edge with an affordable application development cloud

CLOUD SERVICE HIGHLIGHTS

Develop the custom software your business needs to out-compete rivals—minus the hassles of a dedicated development environment.

Protect your application development efforts using our highly-secure and highly-available cloud infrastructure.

Streamline new application performance testing in an environment that simulates real-world conditions—without compromising day-to-day IT operations.

Receive expert help designing your development environment to your precise needs.

Reduce IT capex with sensibly customized pay-as-you-go plans.

Count on the secure, flexible 24x7x365 availability of an expanding portfolio of Service Delivery Centers, located nationwide (check out [this map](#)).

THE CHALLENGE

Remaining competitive when you're faced with the same software everyone else uses

As your business increasingly interacts with customers through online venues, your information technology not only has to keep up—it has to help your business differentiate itself from competitors. That can be tough to do when you use exactly the same software as everyone else.

That's why more and more businesses are deciding to develop their own software applications—for their websites, to manage and mine valuable proprietary databases, to help sales staff, and so on.

However, successful application development takes an infrastructure: servers, storage devices, Internet connections, proper security. And that infrastructure must handle not only development tasks, but also application testing that can simulate real-world conditions. No wonder application development has traditionally been limited to larger organizations with large IT staffs and even larger technology infrastructures.

THE CLOUD SERVICE

Quest's secure, trouble-free Virtual Application Development services

Now you can undertake major-league application development without a major-league investment in a development infrastructure.

Quest's cloud-based Virtual Application Development service delivers the sophisticated infrastructure your developers want and need. Based on products from NetApp, Cisco, VMware, F5, and other leading IT vendors, Quest provides a highly secure and available unified virtual data center architecture from its nationwide Service Delivery Centers.

Our Virtual Application Development solutions are customized for each client and include the rapid prototyping, continuous application testing and integration, connectivity, security, and support developers need to more quickly create the high-quality software applications that make your business stand out against your competition.

“Versabill is leveraging Quest’s cloud services to develop and test intensive database applications in customized virtual environments. We’re able to easily grow server capabilities and storage space at a moment’s notice, ensuring we can rapidly set up and tear down environments critical in the development and testing process. And we no longer deal with the headaches of infrastructure management.”

Clayton Pippenger
President of Versabill IT, LLC

Not long ago, application development entailed significant capital investment. Why? Because application developers need a dedicated technology infrastructure able to deal with not only the collaboration-intensive demands of development, but also extensive testing, debugging, and optimization in an environment that simulates real-world conditions in which those applications are expected to perform.

Now, thanks to a new kind of data center architecture based on unified virtualization, all that has changed—and application development can be undertaken by smaller organizations without the pain of hefty capital outlays or the need for IT staff to maintain, update, and protect infrastructure assets.

Quest has combined the simplified and integrated network, compute, and data storage elements from leading vendors into an infrastructure that’s not only highly secure and highly reliable, but also easy to manage and easy for Quest to custom-configure to each of our client’s needs.

DEVELOP COMPETITIVE APPLICATIONS AFFORDABLY

With Quest’s Virtual Application Development solutions, you can leave the maintenance and management of

your development infrastructure to us so you can afford to focus on developing the applications that will differentiate your business and enable it to stand out from your competition.

A leading-edge architecture you can rely on

Our Virtual Application Development services are built using a comprehensive, integrated set of hardware and software from NetApp, Cisco, VMware, F5, and other forward-thinking IT vendors.

The individual technologies and vendors Quest has chosen for its cloud infrastructure lead the industry. Together, they offer the exceptional synergies of a simplified, unified architecture that enables unsurpassed end-to-end security and isolation in virtualized environments. And because Quest’s highly available cloud infrastructure is so advanced, it quickly and automatically recovers from application or environment failures.

The functionality inherently embedded into our infrastructure’s network fabric simplifies monitoring, provisioning, and management. Quest can configure a single, redundant, uniform pool of resources on demand, and every aspect of our servers and their I/O

connectivity can be automatically provisioned, so they’re put to use in minutes instead of hours or days.

Nationwide Service Delivery Centers

Quest combines the greater agility, lower cost, and minimized risk inherent in our cloud infrastructure with service delivery models that are more than flexible—they’re carefully, sensibly tailored to the needs of each client and delivered from our nationwide Service Delivery Centers.

PROTECT YOUR DEVELOPMENT EFFORTS WITH QUEST’S SECURE INFRASTRUCTURE

Quest’s cloud infrastructure securely partitions virtual machines (VMs) to meet your needs for a dedicated environment or secure shared infrastructure model. Once the VMs are securely isolated, they’re connected to secured storage systems through a segmented, secured network.

With Quest, your application development efforts remain safe and their integrity is rigorously maintained. Your data is securely isolated without compromising workload performance, your development environment can be integrated with other authentication systems, and all user activities are tracked and logged.



DEVELOP AND TEST NEW APPLICATIONS WITHOUT COMPROMISING IT OPERATIONS

Quest's cloud infrastructure enables you to quickly scale up or down as your application development efforts require. We make it easy for you to set up and tear down environments critical in your development and testing processes.

Quest's experts are ready to help you figure out the most effective ways to leverage our Virtual Application Development services so you can build and test your new applications, unique scripts, and integrations in a customized virtual environment that offers:

- Easy-to-use, Web-based self-service portals that speed rapid prototyping and configuration management
- A central VM image library that captures in-state system configurations while eliminating resource sprawl and making it easy to identify released images and other reference configurations
- Simplified, dynamically allocated administration and delivery of different types of virtual machines, including simultaneous deployment of VM clones without causing network conflict
- Ability to scale from local to global deployments supporting thousands of VMs and users

LET QUEST EXPERTS DESIGN YOUR DEVELOPMENT ENVIRONMENT TO FIT YOUR NEEDS

Our deeply experienced staff of experts will sit down with you to discuss your application development objectives—and then they'll work with you to design the environment you'll need to affordably accomplish those objectives.

Quest experts will engage you at every level—translating development goals into technical requirements; understanding what you'll need to test; optimizing your new applications; following through with design, deployment, and management; and providing ongoing support.

REDUCE IT CAPEX WITH SENSIBLY CUSTOMIZED PAY-AS-YOU-GO PLANS

By relying on Quest's virtualized infrastructure, you can avoid investing your company's hard-earned capital in all the servers, storage, and networking that are essential for successful application development.

A single monthly fee

With Quest's Virtual Application Development service, you pay a single monthly fee that comes out of your operating budget. Should your needs change along the way, Quest can

quickly make the service adjustments you need to meet your application development requirements. Our nationwide Service Delivery Centers have the flexibility to respond when your needs change, so your development efforts won't skip a beat.

Pay only for what you use

When you opt for Quest's Virtual Application Development services, you won't pay for packaged services or capabilities you don't want or use. We customize our cloud solutions to your exact requirements. In addition, using Quest's infrastructure saves you from the ongoing maintenance, updating, and security hassles inherent in running any IT infrastructure.

NETAPP HELPS QUEST'S CUSTOMERS DO MORE WITH LESS

The ability to understand your specific business needs and then customize affordable, efficient cloud services to meet those needs is a core element of Quest's business model.

Because we want to provide you with optimum value for your IT spend, we're continually searching out and embracing third-party products and services that cost-effectively meet the challenges our customers face.

QUEST PRODUCTS AND TECHNOLOGIES	NETAPP PRODUCTS AND TECHNOLOGIES	THIRD-PARTY PRODUCTS AND TECHNOLOGIES
Quest Virtual Application Development environment design, management, and performance/fault monitoring services	FAS2000 and FAS3000 series storage systems	Microsoft® Virtual Server, Microsoft SQL Server®, Microsoft SharePoint®, Microsoft OS
24x7x365 incident tracking/customer notification	Data ONTAP® storage operating system	Cisco Unified Computing System™ blade servers, Cisco® Catalyst® switches, Cisco MDS multilayer fabric switches
	FlexClone®	VMware® vSphere™, VMware vCenter™ Lab Manager

Table 1) Quest and NetApp service components

That's why Quest relies on the efficiency, flexibility, versatility, and ease of management built into NetApp® storage systems.

NetApp's extensive storage expertise, innovative technologies, and proven best practices make it possible for Quest's customers to do more with less—and do it with greater agility. That, in turn, enables us to boost the power of our infrastructure so we can deliver affordable, efficient virtualization capabilities to businesses of all sizes spanning many industry sectors.

Whether it's private cloud, public cloud, or hybrid cloud services, Quest and NetApp can deliver.

RELATED SERVICES

Unified Virtual Data Center

With Quest's Unified Virtual Data Center, you can eliminate the expenses of owning and maintaining your own IT infrastructure. From shared or dedicated hosting to private or public clouds, Quest's nationwide Service Delivery Centers, IT resources, and

expertise in virtualization technology and cloud computing provide the enhanced service levels and operational efficiency you expect, without the cost and management burdens of an in-house solution.

Disaster Recovery/Business Continuity

Quest can help implement a sensible and cost-effective business continuity plan to safeguard your systems and data in the event an interruption occurs. Quest can have your business back online in a matter of minutes. By combining real-time data replication, secure data storage, and the quick-restore capabilities of front-line and benchmarked disaster recovery solutions; Quest brings your business the reliable, scalable data storage it needs and the ability to recover from business disruptions large and small.

Desktop Virtualization

Significantly reduce your desktop acquisition, operating, and management costs with Quest's Desktop Virtualization service. Quest can deploy

personalized virtual desktops that include the operating system, applications, and data, enabling desktop administrators to increase control and reduce the total cost of desktop ownership.

ABOUT QUEST

One of the nation's leading technology consulting and management firms, Quest provides Professional, Managed, and Cloud Services in virtualization, business continuity/disaster recovery, data storage and colocation, security, networking, telecommunications, wireless, and technical staffing. Visit us at www.questsys.com. Quest is a member of the NetApp Partner Program for Service Providers.

ABOUT NETAPP

NetApp creates innovative storage and data management solutions that deliver outstanding cost efficiency and accelerate performance breakthroughs. Discover our passion for helping companies around the world go further, faster at www.netapp.com.

