



TCS/PR/SE-6/2016-17

April 22, 2016

**National Stock Exchange of India Limited**  
**Exchange Plaza,**  
**Bandra Kurla Complex**  
**Mumbai**  
**Kind Attn: Manager, Listing Department**

**BSE Limited**  
**P.J. Towers**  
**Dalal Street**  
**Mumbai**  
**Kind Attn: General Manager,**  
**Department of Corporate Services**  
**Scrip Code No. 532540 (BSE)**

Dear Sirs,

We are sending herewith copy of the Press Release titled “**TCS Launches Monitoring and Management Framework for Red Hat® OpenStack® Platform®**” which will be disseminated shortly.

The Press release is self-explanatory.

Thanking you,

Yours faithfully,  
For **Tata Consultancy Services Limited**

**Suprakash Mukhopadhyay**  
**Vice President and Company Secretary**

**TATA CONSULTANCY SERVICES**

**Tata Consultancy Services Limited**

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## TCS Launches Monitoring and Management Framework for Red Hat® OpenStack® Platform®

- *24x7 monitoring and management of critical operations*
- *Customizable dashboards*
- *Support to OpenStack business processes - cloud scaling, virtual machine migration*
- *Real-time insights into Private Cloud operations - storage, backup, technology refresh and virtual lab management*

**MUMBAI, April 22, 2016:** Rise of smart devices and increasing mobile data traffic has led to a growing demand for network services. Network equipment manufacturers are driven to create new solutions such as Network Function Virtualization (NFV). To aid the growing demand, Tata Consultancy Services (TCS), (BSE: 532540, NSE: TCS) a leading global IT services, consulting and business solutions organization, today announced the launch of **Mobile Network Function Virtualization (NFV) Management framework for anytime-anywhere NFV monitoring and management for Red Hat® OpenStack® Platform®.**

NFV enables operators to monetize their cloud infrastructure more effectively by providing capabilities to start new services quickly and seamlessly meet changing network demands. It also provide them with the ability to monitor their cloud environment and make critical business decisions in near real time is crucial to fully realize the benefits of NFV.

The TCS framework enables the Network administrators to securely and flawlessly monitor and manage critical operations with Red Hat® OpenStack® Platform®. It features customizable dashboards and supports OpenStack business processes such as cloud scaling, virtual machine migration, continuous integration and development. This solution framework can also be used by enterprise administrators to achieve real-time insights into private cloud operations such as storage and backup, technology refresh and virtual lab management and would lay the foundation for achieving high available on-demand IT platform.

Speaking about the significance of the framework, **V Rajanna, Vice President and Global Head, Technology Business Unit, TCS**, said, "This solution is a testament to TCS' expertise in leveraging digital technologies in conceptualizing and developing frameworks and solutions for next generation networks. For mobile networks that plan to stay ahead of the curve, digital technologies such as cloud and virtualization are the next step. TCS' Mobile NFV Management frameworks will help them achieve that step."

**Darrell Jordan-Smith, vice president of Worldwide Service Provider Sales, Red Hat** stated, "We are pleased to continue our collaboration with TCS to help global communications service providers (CSPs) to expand their NFV deployments to a wider customer base and respond quickly to increasing demand through highly scalable Red Hat OpenStack Platform. As Red Hat continues our work to bring more carrier-grade NFV technologies to OpenStack,

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and our efforts to deliver the industry's best production-ready OpenStack platform for CSPs, TCS's new monitoring and management capabilities offer users the ability to manage their NFV operations in a variety of deployment environments.

**About Tata Consultancy Services Ltd. (TCS)**

Tata Consultancy Services is an [IT services](#), [consulting](#) and business solutions organization that delivers real results to global business, ensuring a level of certainty no other firm can match. TCS offers a consulting-led, integrated portfolio of [IT](#), [BPS](#), [infrastructure](#), [engineering](#) and [assurance services](#). This is delivered through its unique [Global Network Delivery Model™](#), recognized as the benchmark of excellence in software development. A part of the Tata group, India's largest industrial conglomerate, TCS has over 353,000 of the world's best-trained consultants in 46 countries. The company generated consolidated revenues of US \$16.5 billion for year ended March 31, 2016 and is listed on the National Stock Exchange and Bombay Stock Exchange in India. For more information, visit us at [www.tcs.com](http://www.tcs.com).

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