



InstaCompute

for **IDA CALL 6**

InstaCompute

Presented by

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Agenda

Introduction to Tata Communications
Introducing Tata Communications InstaCompute
InstaCompute in Action

InstaCompute

Visionary. Global. Innovative.

We're a part of Tata group

- India's largest business group
- 80 countries, 425,000 employees
- \$85.3bn turnover
- >60% non-India



- Invested over \$7.5bn in ICT

TATA TELESERVICES
TATA CONSULTANCY SERVICES
TATA *SKY*

TATA COMMUNICATIONS



About Tata Communications

- Global ICT innovator
- 7,500 employees in 52 countries
- Worlds #1 international voice provider
- Worlds #1 submarine cable network
- Worlds #1 video interconnect

“Challenger in Gartner's 2012 Magic quadrant for Global Network Service Providers”

Backing and experience of a global visionary

Delivering across the breadth of MNCs

Our Investments and Commitment in APAC: Feb 2009

TGN-Intra Asia Cable System



- 6700 KM
- Avoids Earthquake Zone
- 3.84 Terabits/sec

**US\$ 430
Million**

Tata Communications Exchange



- Co-location
- Managed Hosting & Storage
- Value-added Services

InstaCompute



InstaCompute

Introducing InstaCompute

What it is

- Flexible, cost-effective, on-demand IaaS solution
- Variable computing power required to meet changing business needs, exactly when needed
- Pay-per-use pricing, security and a strong service level agreement (SLA)

How it works

- Quick and easy online-sign up
- Managed through a self-service web portal that offers business-class controls and features
- Allows dynamic addition and removal of virtual servers, storage capacity and metered Internet connectivity in real-time

Why InstaCompute?

Ideal solution for businesses seeking:

- quick time-to-market
- faster revenue generation
- increased competitiveness

Why Tata Communications?

- The integrated value of a global network leader and managed services provider
- Global reach - local expertise
- Provides the ability to conduct business in different currencies across several buying models

Business Class Security

InstaCompute offers built-in security features including:

Business grade firewalls that limit unauthorised access to customer data

A secure MPLS on-ramp. MPLS customers are provided (upon request) with no-charge MPLS VPN connections to the InstaCompute platform for added security over the network connection

User/project controls built into the web portal that allow Master User to oversee access and permissions for security and cost control

Operations and data centers built to highest security standards
(ISO 20000, ISO 27001, SSAE 16 Type II, TIA 942 Tier 3)

SAP certified Cloud Service

Target Use Applications

The ideal solution for application test/dev requirements or changing capacity needs

Application Test Development

Instant, flexible IT infrastructure to more efficiently and quickly design, code, test and deploy software solutions

Elastic Web Applications

Enables quick capacity expansion through APIs to meet dynamically changing end-user demands on hosted web applications

Temporary Needs

Efficient, cost-effective way to obtain temporary access to IT resources for short-term projects or seasonal needs

Event-based Applications

Provision IT resources for promotions or seasonal events, and remove them when completed

Collaborative Computing

Facilitates collaborative development and sharing of data across users and project teams via open APIs

Key Features

On-Demand

- Instant service availability
- Immediate ordering and quick activation
- Self service, automated provisioning in real-time
- Dashboard Web portal with 24/7 access
- IP and MPLS network based cloud on-ramps
- Scale virtual servers, storage, memory as needed
- Increase and decrease capacity through load balancer and API

Flexible

- Built for the business user with flexible spending, project and user controls
- Multiple payment options including prepaid and corporate purchase orders
- Enables payment in multiple currencies (Singapore Dollars or U.S. Dollars)
- Extensive feature set
- Multiple computing options – up to 8 core CPU capacity and 40 GB RAM
- Flexible virtualization platform - use our Windows and Linux OS or customer's own

Cost-Effective

- Pay-per-use pricing – purchase only the capacity needed to meet current requirements
- Budget management enabled by spending limits and alerts
- No contracts or termination penalties
- Lower TCO with an OpEx spending model that allows you to purchase only the capacity needed to meet shifting demand
- Offloads non-revenue generating IT tasks to cloud service provider

Local

- Keeps IT resources in home country, dramatically reducing latency for India and APAC end-users
- Creates a quality customer experience for software development, web and mobile applications
- Promotes legal compliance by keeping storage and processing of data in India and APAC regions
- Includes toll free support, engineering and operations
- Local currency choices

24x7 Support Available via Email and Phone

InstaCompute In Action



Simple, Pay-Per-Use Pricing*

Virtual Machine Instances – Billed by the Hour						
Cores	RAM	STORAGE	Indian Rupees	Singapore Dollars	Euros	U.S. Dollars
1 Core	1 GB RAM	50 GB	2.45	0.075	0.045	0.055
1 Core	2 GB RAM	50 GB	4.95	0.150	0.085	0.110
2 Cores	4 GB RAM	50 GB	9.90	0.305	0.170	0.220
4 Cores	8 GB RAM	50 GB	19.80	0.605	0.345	0.440
8 Cores	16 GB RAM	50 GB	44.50	1.365	0.770	0.990
8 Cores	40 GB RAM	50 GB	111.95	3.435	1.940	2.490

Storage and Data Transfer *				
	Indian Rupees	Singapore Dollars	Euros	U.S. Dollars
Storage [per GB/ mo]	6.75	0.205	0.115	0.15
Inbound Data Transfer	FREE	FREE	FREE	FREE
Outbound Data Transfer (per GB)	7.65	0.235	0.135	0.170

*Plus applicable OS license fees (less than \$0.50/hr USD). InstaCompute does not include Internet access. You can use any Internet service provider of your choice to access the InstaCompute cloud.

Rates Include

FREE

- ✓ Load Balancers
- ✓ Public IP Addresses
- ✓ Firewalls
- ✓ Intrazone Data Transfer

GET STARTED NOW!

Detailed Product Specifications

Compute Resources

- Choice of six combinations of server capacity (CPU and RAM)
- Storage capacity (50 GB included with ability to add more)
- Snapshots for data protection (recurring or manual)
- Choice of multiple preconfigured Windows and Linux OS images (or images provided by customer)
- API for programmatic control

Service Administration and Governance

- Easy-to-use, self-service Web management portal with business-grade controls
- Project and account level governance with tight accountability and cost management, allowing Master User to:
 - Manage budgets through spending limits and alerts
 - Manage security through user access control
 - Promote collaboration by establishing projects

Network Services

- Internet and MPLS VPN access
- Public IP allocation and mapping to private IP addresses
- Customisable firewall for added security
- Load balancer for enhanced performance
- High availability architecture
- Service provided from local Singapore data centre

Pricing and SLAs

- Pay-per-use pricing with no contracts
- Multiple payment options including credit card and corporate purchase orders
- Pricing in Indian Rupees, Euro, US Dollars and Singapore Dollars
- SLA of 99.95%
- Integrated SLA for both InstaCompute and network connectivity for both Internet and MPLS networks

InstaCompute Website



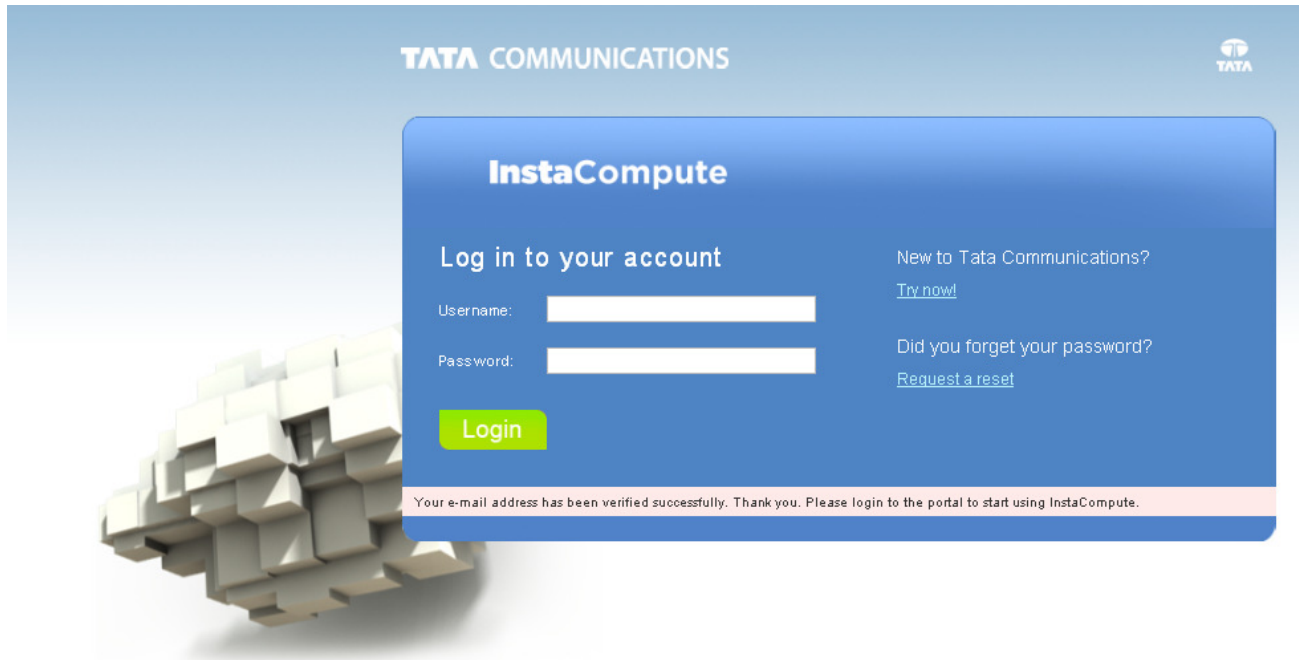
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www.instacompute.com

InstaCompute

The New World
of Communications

Log in to Online Management Portal Anytime, Anywhere



manage.iaas.tatacommunications.com



Who Does What

Cloud Provider	Customer	Responsibility
■		Manage and operate data centre facilities
■		Connection of the InstaCompute platform to the global Internet and/or MPLS backbone
■		Manage server host hardware including storage and a web-based portal for overall management of the service
■		Provide licenses for select commercial operating systems
■		Online training resources and multiple support materials to help ensure success with the service
	■	Manage, monitor and operate the OS layer and all SW & applications (includes patch management, upgrades, antivirus, system security, SW configurations and data)
	■	Manage and configure the service via the web portal and API (includes user access administration, security controls and payments)
	■	License all data including OS, application and data as required (unless an OS license is provided by Tata Communications)
	■	DNS, NTP management
	■	Devising a sound backup plan and backing up data accordingly (please note that we DO NOT backup any customer data) and taking and managing snapshots as required
	■	Architecting the service for redundancy and disaster recovery

Customer Controls the OS, Application Layer and all SW



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