Frequently Asked Questions

1Q) What is IBCC?
Ans) IBCC stands for Indian Banking Community Cloud, world's first community cloud for banking sector. IDRBT is hosting the community cloud in its premises taking the support of CDAC.

2Q) What does IBCC Offer as part of Community Cloud?
Ans) IBCC offers Infrastructure as a Service, Platform as a Service and Software as a Service.
   - **Infrastructure as a Service**
     - Minimum --> 1GB RAM, 1 Core, 50 GB Storage
     - Maximum --> 64GB RAM, 10 Cores and 2 TB storage
   - **Platform as a Service**
     - OS --> Windows, BOSS, Ubuntu, Fedora Linux,
     - Database --> SQL Server, MySQL, Oracle
     - App Server --> IIS, Tomcat, etc
   - **Software as a Service**
     - Technology Risk Assessment Tool,
     - Learning Management System
     - Project Management System
     - Mobile Device Management
     - Email

3Q) What is the security at IBCC?
Ans) IBCC follows the guidelines set in Cloud Security Framework for Indian Banks (http://idrbt.ac.in/publications/Frameworks/Cloud%20Security%20Framework%20(2013).pdf). The security framework has been developed looking at various standards and the inputs from CISOs of Banks. The data is encrypted using AES 256 bit algorithm. Also, there is a security at network level, vm access level (dual authentication).

4Q) What applications can be hosted on IBCC?
Ans) Banks could host non customer facing and less critical applications of banks in IBCC. The possible use cases for banks to host in IBCC are
   1. Applications requiring hardware refresh/upgrade
   2. New Applications/services
   3. Dev/Test/UAT environment
   4. DR environment

5Q) What is the connectivity between IBCC and Banks?
Ans) The connectivity between IBCC and Banks would be through MPLS or Lease lines with required IPSEC/GRE, IPS, IDS, etc., in place.
6Q) What are the charges for Cloud usage?
Ans) Banks would be charged based on the monthly usage. Banks would know on real time basis the usage pattern of the allocated VMs. To get more details on the charges, please send an email to IBCC@idrbt.ac.in. A monthly invoice would be generated for banks with 30 days payment terms.

7Q) How long does it take to deploy an application?
Ans) Provisioning of computing resources will take maximum of 1 day if the requirements are available. However, the network connectivity requires coordination with bank’s network team, Network provider and IDRBT network team.

8Q) Does IBCC has a DR site?
Ans) Disaster Recovery sites in Cloud Computing terminology are referred as Region. IDRBT has 2 regions and based on application type, a high availability allocation shall be provided. Also, an incremental data back-up is maintained for 7 days.

9Q) Would IBCC allows VM size change?
Ans) Absolutely, IBCC is flexible in resizing the VM size based on bank’s requirement and usage.

10Q) What are the support hours for the environment?
Ans) The network and application support is available 24*7. The cloud stack monitoring support team is available 12*6 (Monday-Saturday) from 8 am – 8 pm. 24*7 Cloud Stack monitoring can be made available based on Bank’s need.

11Q) What is the process to exit from IBCC environment?
Ans) Banks may choose to exit from the environment anytime with prior intimation and the reason for exit. IBCC shall ensure all the data is shared back with the bank and then purged from IBCC environment. Payment will have to be made for the full month.

12Q) How can we know more about IBCC or Cloud Computing?
Ans) IDRBT organizes a quarterly program on “Virtualization and Cloud Computing”. Banks can also reach out IBCC@idrbt.ac.in for more details.