1. **Name of the projects**

   a. iDeal Forex 3.0
   b. Pricing Admin

2. **Project Description**

a. iDeal Forex 3.0

iDeal Forex 3.0 project is the enhanced version of iDeal Forex 2.0 and former is one of the initiative where iDeal Forex pricing API switching from iFX Manager to GNG system.

This project focuses on removing the dependency of vendor system iFX Manager on iDeal Forex 2.0 and the same is accommodated using

- iConfirm – Post-trade confirmation by the Operations and managing Settlement Instructions
- IMMS - Settlement of FX payments (Wires and Drafts)
- GNG Pricing Engine – FX Trade Pricing and Execution

b. Pricing Admin

Pricing Admin is the Pricing Configuration application where the Client's spread information are configured and this enables de-coupling of spread setup functionalities from Gateway application.

This application focuses on globalizing the pricing configuration that can be used across several trading applications like FX Payments, Custody and Currency Administration.

3. **List of Proprietary tools used in this project**

   a. **iDeal Forex 3.0**

   - iConfirm Web Services
   - Rate Service
   - Log Wrapper
   - GNG MQ Service

   b. **Pricing Admin**

   - MODIS Webservices
   - iConfirm Web services
   - Log Wrapper

4. **Duties performed on daily basis**

   a. **iDeal Forex 3.0**

   - Development of new Modules and Enhancement of Existing Modules in Client facing application (Payments, Templates, Settlements)
   - Develop Pricing module using Rate Service tool
   - Develop client/admin module using iConfirm WS interface
   - Implement customizable White Labeling in Client application
   - Develop client/admin module using GNG MQ interface
   - Development and Enhancement of existing Admin Modules (User, Client Account, Currencies, Trade Manager)

   b. **Pricing Admin**

   - Design and Development of Client Group, Tier Setup and User Setup modules
   - CID validation API by consuming iConfirm Webservices and Modis Webservices
   - Design and development of spread service for GNG application
   - Design the spread configuration screens for Payment applications and Custody applications.
   - Closely work with NEXEN team to apply proper standards for User Interface components.

INFORMATION ABOUT THE PROPOSED PROJECT YOU WILL BE WORKING IN US

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   - Confirm Web services
   - Log Wrapper

4. **Duties performed on daily basis**

   a. **iDeal Forex 3.0**

   - Co-ordinate with GNG Team to create all the APIs for pricing module – using proprietary tools/software GNG MQ Service, Rate service and Log Wrapper.
   - Monitoring/Fixing the spreads for all clients requesting rate via GNG with Pricing Admin team.
   - Working with the iConfirm team to create all the Settlement Instruction services for Client module - using proprietary tools/software iConfirm WS interface.
   - To perform Integration testing and Unit Test planning for each individual module changed to ensure there are no flaws after development.
   - Working with BNY Mellon BXP team to create installation scripts and to setup BXP infrastructure.
   - Working for implementation and maintenance of iDeal Forex 3.0 application and to support the User Acceptance testing team during testing phase.

   b. **Pricing Admin**

   - Working with GNG team and CUSTODY team to expose all the pricing configuration data using proprietary tools like Log Wrapper and GNG Web services.
   - To perform Integration testing and Unit Test planning for each individual module changed to ensure there are no flaws after development.
   - Working with BNY Mellon BXP team to create installation scripts and to setup BXP infrastructure.
   - Working for implementation and maintenance of Pricing Admin application and to support the User Acceptance testing team during testing phase.
   - Provide support and control for user related queries and response with quick and precise answers.
   - Design and Development of New Modules in Pricing Admin application for onboarding new clients to configure Spreads.
   - Work Modis Team to consume Currency Webservices for CCY setup module.

INFORMATION ABOUT THE SPECIALIZED KNOWLEDGE:

1. For the proposed responsibility in US, the knowledge and hand-on experience in BNYM proprietary tools such as iConfirm WebService interface, Data Service, Rate Service, Log Wrapper are required. This knowledge is not common within the company.

2. He is working with iDeal Forex application over the past 2+ years and has gained a very good knowledge in these proprietary tools developed in BNY Mellon for iDeal Forex application purpose.

3. He has undergone in-class training for more than 12 months, has hands-on experience, modified and enhanced the proprietary tools such as Rate Service. He has more experience in interacting with business users & provided exceeded satisfactory results to them in the past.

4. Suraj Prabakar Krishnan has received "**Helps Clients Succeed award**" honoring his commendable contribution in design and development of iDeal Forex application.

5. Suraj Prabakar Krishnan who has been working in the project for 2+ years has complete knowledge and work experience on all the above proprietary tools. Other developers have less than a year experience in the project and have not yet achieved the expertise in all the tools.

6. Knowledge in Forex trading domain is needed for the iDeal Forex 3.0 project.

7. iDeal Forex 3.0 application is a Forex trading based application and it need extensive knowledge on Forex trading. He will be interacting with FX traders in BNY Mellon in addition to IT professionals from other team.

8. He has under gone 16 months in class and hands on training on the mentioned proprietary tools.
   - iConfirm WS interface – **12 months**
   - Data Service – **12 months**
   - GNG MQ interface – **12 months**
   - Log Wrapper – **12 months**
   - MODIS Webservices - **12 months**

9. **Training completion Date**
   - iConfirm WS interface – **Sep 2015**
   - Data Service – **Sep 2015**
   - GNG MQ interface – **Oct 2015**
   - Log Wrapper – **Aug 2015**
   - MODIS Webservices – **Oct 2015**

10. The training received by Suraj on BNY Mellon's proprietary tools like iConfirm WS interface, Data Service, GNG MQ interface and Log Wrapper are specific to iDeal Forex 3.0 application

and entirely different from the trainings that are provided to other associates in iNautix and Pershing.

11. The special knowledge on the specific combination (iConfirm WS interface, Data Service, GNG MQ interface, Log Wrapper) of BNY Mellon's proprietary software/tools mentioned is uncommon at iNautix/Pershing. Only 3 employees at iNautix (Only Data service & Log Wrapper) and 10 employees (Only iConfirm WS interface) at Pershing hold combination of this special knowledge as a result of exclusive and extensive in-house training. There are a total of over 6,000 employees at Pershing and iNautix. Also with above combination he is the only associate have around 2+ years of experience and these proprietary tools are the backbone for this application.

12. Suraj has given in-class training to the new joiners of iDeal Forex team on below proprietary tools.
    - iConfirm WS interface
    - Data Service
    - GNG MQ interface

13. Suraj has given in-class training to the new joiners of Pricing Admin team on below proprietary tools.
    - MODIS Webservices
    - iConfirm WS interface

14. The total amount of time required for others to gain special knowledge on the above-mentioned combination of proprietary tools/software is approximately 2 years. This knowledge can only be gained by working at iNautix/Pershing and it will require minimum 3 years to expertise in the proprietary tools. Apart from the training, the associate should also possess complete hands-on experience by using these proprietary tools for development.

    Besides regular technology training on Forex domain, Adobe Flex, RDBMS and SQL server by the Learning and Development - iNautix, Suraj went through the series of trainings on different areas which other developers has not undergone.

    Suraj was completely trained on products, business and proprietary tools (iConfirm WS interface, Data Service, GNG MQ interface, Log Wrapper) that were given exclusively by the Center of Excellence - iNautix constituted by Industrial experts in various areas over a period of 3 years. This training which includes in-class sessions and hands-on sessions is substantially different from the Core Training provided to all other employees which usually consists of 1-2 months of introduction sessions on software development processes, Pershing project life cycle, and business transaction concepts.

15. Suraj is a System Analyst for iDeal Forex application and Pricing Admin. He has been working in this application for the past 2+ years.

16. Suraj contributed in preparation of iDeal Forex 3.0 Functional requirement document as System Analyst. Also he prepared Detail Design Document for iDeal Forex 3.0 application's Admin module.

17. Suraj contributed in preparation of Pricing Admin Functional requirement document as System Analyst. Also he prepared Detail Design Document for Pricing Admin application.

TRAINING DETAILS
Training received
- iConfirm WS interface – **12 months**
- Data Service – **12 months**
- GNG MQ interface – **12 months**
- Log Wrapper – **12 months**
- MODIS Webservices - **12 months**

Training completion Date
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