

Information Delivery Portal

User Connectivity Overview



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1. Version control

Version	Author	Date	Reason for changes
1.0	Jean Erasmus	01/08/2010	Created.
2.0	Jean Erasmus	22/10/2010	Made changes as result of testing.
2.1	Siviwe Xegwana	11/11/2010	Updated the WSDL content

2. Introduction

This document outlines the various connectivity requirements, which includes the delivery protocols, for the access and retrieval of data files.

Subscribers will be able to access the data sets either via the Internet or via a leased line to the JSE delivery server in Johannesburg. The JSE provides different protocols for accessing for either connectivity option and which is covered in section 5.

Any problems in respect of the data in any file or in respect of connectivity must be communicated to the JSE Customer Support team for assistance. The Customer Support team will conduct initial investigations and if they are unable to address the problem (either partly or not at all), the relevant problem will be referred to the technical support staff of the JSE as soon as possible.

Customer Support Telephone Contact numbers:

Telephone numbers: (011) 520-7777

After hours: (011) 520-7900 (this number is routed to the standby staff member)

3. Authentication Credentials

The JSE deems these below access control measures critical to ensure that clients only access the information that they are licenced and are not able to access information for other companies. This structure also better protects the JSE from malicious activities.

On this basis, persons involved in the download service will be required to provide some personal information such as their email address, identification number and mobile number. This information will be kept strictly confidential and only used for the formal registration of userids.

To be able to access the service, you will need to have one or more valid userids and passwords as per the below guidelines.

- Clients that make use of an **automated routine to download the data files** will be required to register for a company level service account which must only be used for the purpose of automated scripting based downloads. This password will be changed on an annual basis. The JSE strongly recommends that this user name and password be maintained in a configuration file, rather than then being embedded into the scripting code, to better accommodate password changes. **Please note that this service account information must only be known by the required people that have to support the environment.**
- **Clients that make use of manual methods to download the data files**, as primary or acting as backup to the automated scripts, will be required to register an individual user account for each individual person that will be involved in doing download. These user level credentials will be personal and should therefore be treated as such i.e. no username and password sharing should be allowed. Users will be forced to change their password on a monthly basis.

A web based Customer Zone portal will be made available in the future to facilitate password management directly by clients.






4. Provision of User ID and Password

1. A representative from the JSE Customer Services Department will provide you with your Sign-on credentials and Dataset name(s) before 11am on the day you go live.
2. An Account Officer, from Information Products Sales Division will contact you to confirm receipt of the Dataset, User ID and Password.
3. The onus is on you to test as soon as you have received the above mentioned information to ensure that you can gain access to the system.

5. Directory Structures

Customer specific data files versus common data files will be located in specific directories as per the below structure:

Folder Structure and creation

<i>Folder</i>	<i>Description</i>
+  Client name	
+  IDP	Customer Specific files located here
+  Common	
+  DAP.SPRD.RAFI.FJRV	FTSE Common file located here
+  DAP.SPRD.RAFI.FJRC	FTSE Common file located here

6. Connection Protocols

When connecting to the IDP portal you will be allowed access through the use of different protocols

- **Access via the current access network (dedicated leased lines):**

You will be able to use FTP, FTPS and a Web service over an SSL Connection. DNS entries may be needed on client infrastructure to use the URL's instead of the IP's.

IP Address	accessidp.jse.co.za (We recommend using this to protect against future IP address changes) or 196.216.152.16
Port	990 for FTPS 443 for HTTPS
Credentials	As supplied by JSE Customer Services
File Location	/IDP

IP Address	accessftp.jse.co.za (We recommend using this to protect against future IP address changes) or 196.216.152.18
Port	21 for FTP
Credentials	As supplied by JSE Customer Services
File Location	/IDP

- **Access from the Internet:**

You will be able to use FTPS and a Web service over an SSL Connection.

6.1 File Transfer Protocol Secure (FTPS)

FTPS is File Transfer Protocol with SSL security. FTPS is running FTP over a secure SSL/TLS connection. This is similar to standard FTP but performs operations over an encrypted link (SSL) and is more secure. . FTPS connections require an Implicit SSL capable software client connecting to TCP port 990 using passive mode.

DNS	idp.jse.co.za
Port	990
Credentials	As supplied by JSE Customer Services
File Location	/IDP

6.2 HTTPS

HTTPS uses HTTP but additionally activates Web server security, in the form of Secure Sockets Layer (SSL). This means that the communications between the client and the (host) Web server are encrypted and, additionally, that the host Web server may be validated by the client using a Digital Certificate on the server.

DNS	https://idp.jse.co.za/IDPService.svc
Credentials	As supplied by JSE Customer Services
Usage	Customer will have to request a wsdl file from the idp web service using the specified url below or load the file using xml below. Use that wsdl to generate a proxy client that will communicate with the service.
WSDL	<pre>https://idp.jse.co.za/IDPService.svc?wsdl <?xml version="1.0" encoding="utf-8" ?> <wsdl:definitions name="IDPService" targetNamespace="https://idp.jse.co.za/" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/" xmlns:wsa10="http://www.w3.org/2005/08/addressing" xmlns:wsx="http://schemas.xmlsoap.org/ws/2004/09/mex" xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/" xmlns:wsu="http://docs.oasis- open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" xmlns:wsp="http://schemas.xmlsoap.org/ws/2004/09/policy" xmlns:wsap="http://schemas.xmlsoap.org/ws/2004/08/addressing/policy" xmlns:mesc="http://schemas.microsoft.com/ws/2005/12/wsdl/contract" xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing" xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl" xmlns:tns="https://idp.jse.co.za/" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/" xmlns:i0="http://tempuri.org/" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"> <wsdl:import namespace="http://tempuri.org/" location="https://idp.jse.co.za/IDPService.svc?wsdl=wsdl0" /> <wsdl:types> <xsd:schema targetNamespace="https://idp.jse.co.za/Imports"> <xsd:import schemaLocation="https://idp.jse.co.za/IDPService.svc?xsd=xsd0" namespace="https://idp.jse.co.za/" /> <xsd:import schemaLocation="https://idp.jse.co.za/IDPService.svc?xsd=xsd1" namespace="http://schemas.microsoft.com/2003/10/Serialization/" /> </xsd:schema> </wsdl:types> <wsdl:message name="IIDP_InitializeDownload_InputMessage"> <wsdl:part name="parameters" element="tns:InitializeDownload" /> </wsdl:message> <wsdl:message name="IIDP_InitializeDownload_OutputMessage"> <wsdl:part name="parameters" element="tns:InitializeDownloadResponse" /> </wsdl:message> <wsdl:message name="IIDP_GetFileList_InputMessage"> <wsdl:part name="parameters" element="tns:GetFileList" /> </wsdl:message> <wsdl:message name="IIDP_GetFileList_OutputMessage"> <wsdl:part name="parameters" element="tns:GetFileListResponse" /> </wsdl:message> <wsdl:portType name="IIDP"> <wsdl:operation name="InitializeDownload"> <wsdl:input wsaw:Action="https://idp.jse.co.za/IIDP/InitializeDownload"</pre>

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message="tns:IIDP_InitializeDownload_InputMessage" />
  <wsdl:output          wsaw:Action="https://idp.jse.co.za/IIDP/InitializeDownloadResponse"
message="tns:IIDP_InitializeDownload_OutputMessage" />
</wsdl:operation>
<wsdl:operation name="GetFileList">
  <wsdl:input          wsaw:Action="https://idp.jse.co.za/IIDP/GetFileList"
message="tns:IIDP_GetFileList_InputMessage" />
  <wsdl:output          wsaw:Action="https://idp.jse.co.za/IIDP/GetFileListResponse"
message="tns:IIDP_GetFileList_OutputMessage" />
</wsdl:operation>
</wsdl:portType>
<wsdl:service name="IDPService">
<wsdl:port name="secure" binding="i0:secure">
  <soap12:address location="https://idp.jse.co.za/IDPService.svc" />
<wsa10:EndpointReference>
  <wsa10:Address>https://idp.jse.co.za/IDPService.svc</wsa10:Address>
</wsa10:EndpointReference>
</wsdl:port>
</wsdl:service>
</wsdl:definitions>

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7. Quick Reference Guide

6.1 Retrieving a customer specific file

- ftp idp.jse.co.za
- supply user name and password
- cd IDP
- get DDAP.SPRD.<CLIENT CODE>.E.zip

6.2 Retrieving a common file e.g FTSE files

- ftp idp.jse.co.za
- supply user name and password
- cd common
- get <File_Name>

6.3 Retrieving a customer specific and common file

- ftp idp.jse.co.za
- supply user name and password
- cd IDP
- get <File_Name>
- cd \
- cd Common
- get <File_Name>

6.4 Retrieving historic files

- ftp idp.jse.co.za
- supply user name and password
- cd IDP
- get <File_Name>.<yyyymmdd>

