# DSB UAT-DR Environment Connectivity and Functionality Testing

# **Overview**

The purpose of this document is to ensure all clients participating in the 2021 UAT DR test can successfully connect and perform functionality testing in the DSB UAT-DR environment situated in North America.

All tests in this document will use temporary DNS entries for the purpose of proving connectivity/functionality while ensuring the live UAT environment situated in Ireland is not affected. See below

|  |  |
| --- | --- |
| **Connectivity Type** | **Temporary DNS** |
| GUI | uat-dr.anna-dsb.com |
| Rest | uat-dr.anna-dsb.com |
| Fix Internet | fix-uat-dr.anna-dsb.com |
| Fix VPN / BT Radianz | fix-uat-dr.anna-dsb.com |

Table 1 - Temporary DNS

For the UAT DR event the current live DNS records will be repointed to UAT DR environment. See below

|  |  |
| --- | --- |
| **Connectivity Type** | **UAT Live DNS** |
| GUI | uat.anna-dsb.com |
| Rest | uat.anna-dsb.com |
| Fix Internet | fix-uat.anna-dsb.com |
| Fix VPN / BT Radianz | Fix1-uat.anna-dsb.com, |

Table 2 - UAT Live DNS

If you have any questions or queries, please contact technical.support@ANNA-DSB.com.

Please send the completed test forms to technical.support@ANNA-DSB.com

### **Contact details**

|  |
| --- |
| **DR Primary Contact Detail**  |
| First Name | First Name |
| Last Name | Last Name |
| Business Email | Business Email |
| **Company Detail** |
| DSB Registered Company Name | Company Name |
| Company Department Name | Company Department Name |

Table - Contact Details

**All Users – GUI tests**

### **Prerequisites**

There are no on-boarding prerequisites required prior to attempting the tests in the following section.

Note: Please put **Not Applicable (NA)** in the “Successful” column if this functionality is out-scope in your organization

### **GUI - Connectivity Test**

|  |  |  |
| --- | --- | --- |
| **Tests** | **Successful (Y/N/NA)** | **DSB Support verified** |
| Landing page seen when accessing the UAT DR URL [**https://uat-dr.anna-dsb.com/**](https://uat-dr.anna-dsb.com/) |  |  |

Table 4-GUI network connectivity test

**GUI - Functionality Test**

|  |  |  |
| --- | --- | --- |
| **Tests** | **Successful (Y/N/NA)** | **DSB Support verified** |
| Login in UAT DR URL [**https://uat-dr.anna-dsb.com/**](https://uat-dr.anna-dsb.com/)using your DSB GUI UAT credentials**Expected Results:**Users should be able to login successfully using their UAT credentials |  |  |
| Create an ISIN**Expected Results:**Users should be able to create the ISIN successfully (Please remember the ISIN number that will be created) |  |  |
| Search the ISIN created on Step 3 on the search bar**Expected Results:**Users should be able to search the ISIN successfully |  |  |
| Download an End-of-Day File-download file **Expected Results:**Users should be able to download an End-of-Day File-download file |  |  |

Table 5-GUI Functionality test

# **Power Users – REST and FIX tests**

**Prerequisites**

Prior to attempting the tests in the following section clients must have completed the UAT-DR on boarding configuration. If not already done so the client should complete the on boarding form (here).

Note: Please put **Not Applicable (NA)** in the “Successful” column if this functionality is out-scope in your organization

### **REST - Connectivity Test**

|  |  |  |
| --- | --- | --- |
| **Tests** | **Successful (Y/N/**NA**)** | **DSB Support verified** |
| Telnet/Netcat to **uat-dr.anna-dsb.com** |  |  |

Table 6-REST Connectivity Test

**REST - Functionality Test**

For your reference, you may refer to our [REST Rules of Engagement](https://www.anna-dsb.com/download/dsb-rest-api/) to act as your guide.

|  |  |  |
| --- | --- | --- |
| **Tests** | **Successful (Y/N/NA)** | **DSB Support verified** |
| Obtain schema names |  |  |
| Obtain single schema |  |  |
| Retrieve or Create ISIN Record by Attribute |  |  |
| Retrieve ISIN Record by Attribute |  |  |
| Retrieve ISIN Record by ISIN |  |  |
| Search for ISIN Records by attributes |  |  |
| Download Historical ISIN records |  |  |

Table 7-REST Functionality Test

**FIX Power Users - Internet (SSL/TLS) Connectivity test**

|  |  |  |
| --- | --- | --- |
| **Tests** | **Successful (Y/N/NA)** | **DSB Support verified** |
| When performing an NSlookup, **fix-uat-dr.anna-dsb.com** resolved to one or more IP addresses listed below?34.228.132.20752.22.202.14552.71.134.12034.206.174.1852.203.62.10254.152.3.5954.173.6.17252.200.15.19134.192.45.224 |  |  |
| Telnet/Netcat was Successful? |  |  |
| No unexpected disconnects took place during testing?**Note: Any** established TCP connectivity without any traffic will be automatically disconnected by the Load Balancer |  |  |

Table 8 - FIX Power Users Internet Connectivity Test

**FIX Power Users - VPN Network Connectivity test**

|  |  |  |
| --- | --- | --- |
| **Tests** | **Successful (Y/N/NA)** | **DSB Support verified** |
| Phase 1 was successfully established? |  |  |
| Phase 2 was successfully established? |  |  |
| When performing an NSlookup, **fix-uat-dr.anna-dsb.com** resolved to one or more IP addresses listed below?34.228.132.20752.22.202.14552.71.134.12034.206.174.1852.203.62.10254.152.3.5954.173.6.17252.200.15.19134.192.45.224 |  |  |
| Telnet/Netcat was Successful? |  |  |
| No unexpected disconnects took place during testing?**Note: Any** established TCP connectivity without any traffic will be automatically disconnected by the Load Balancer |  |  |

Table 9 - FIX Power Users VPN Connectivity Test

**FIX Power Users - BT Radianz Network Connectivity Test**

|  |  |  |
| --- | --- | --- |
| **Tests** | **Successful (Y/N/NA)** | **DSB Support verified** |
| When performing an NSlookup, **fix-uat-dr.anna-dsb.com** resolved to one or more IP addresses listed below?34.228.132.20752.22.202.14552.71.134.12034.206.174.1852.203.62.10254.152.3.5954.173.6.17252.200.15.19134.192.45.224 |  |  |
| Route to the DSB UAT DR end points? |  |  |
| Telnet/Netcat was Successful? |  |  |
| No unexpected disconnects took place during testing? |  |  |

Table 10 - FIX Power Users BT Radianz Connectivity Test

**FIX - Functionality Test**

For your reference, you may refer to our [REST Rules of Engagement](https://www.anna-dsb.com/download/dsb-rest-api/) to act as your guide.

|  |  |  |
| --- | --- | --- |
| **Tests** | **Successful (Y/N/NA)** | **DSB Support verified** |
| **Session Level** |
| Logon and Heartbeat |  |  |
| Reconnect after abnormal disconnect |  |  |
| **Create** |
| User creates ISIN for Rates |  |  |
| User creates ISIN for Foreign Exchange |  |  |
| User creates ISIN for Credit |  |  |
| User creates ISIN for Equity |  |  |
| User creates ISIN for Commodities |  |  |
| **Search by ISIN** |
| User requests OTC product definition for a Rate ISIN |  |  |
| User requests OTC product definition for a Foreign Exchange ISIN |  |  |
| User requests OTC product definition for a Credit ISIN |  |  |
| User requests OTC product definition for an Equity ISIN |  |  |
| User requests OTC product definition for a Commodity ISIN |  |  |
| **Subscribe** |
| User subscribes to OTC product definitions for Rates |  |  |
| User subscribes to OTC product definitions for Foreign Exchanges |  |  |
| User subscribes to OTC product definitions for Credits |  |  |
| User subscribes to OTC product definitions for Equities |  |  |
| User subscribes to OTC product definitions for Commodities |  |  |
| User subscribes to OTC product definitions for all asset types |  |  |
| **Search by Attributes** |
| User retrieves ISIN Record by Attributes for Rates |  |  |
| User retrieves ISIN Record by Attributes for Foreign Exchange |  |  |
| User retrieves ISIN Record by Attributes for Credit |  |  |
| User retrieves ISIN Record by Attributes for Equity |  |  |
| User retrieves ISIN Record by Attributes for Commodity |  |  |
| **Search by Attributes** |
| User searches for ISIN Records by Attributes |  |  |
| **Other Asset Class**  |
| User creates ISIN for Other |  |  |
| User requests OTC product definition for Other ISIN |  |  |
| User subscribes to OTC product definitions for Other |  |  |
| User retrieves ISIN Record by Attributes for Other |  |  |

Table 11-FIX Functionality Test