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| Virginia information technologies agency and VirginiA Tech |
| VLDS Data Adapter Deployment Instructions |
| VA Dept. of Education |
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| **12/6/2012** |

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| This document contains instructions for participating agencies to install the VLDS Data Adapter in their environment. |

# Exposure Database Preparation for Data Adapter Deployment

Prior to deploying the Data Adapter, the Exposure Database Administrator should do the following steps. The scripts will be provided to you.

1. Run the script **DataAdapterGrantsProd.sql**. This script will create user **DATAADAPTER** and grant select permissions on VLDS tables. Add **TABLESPACE** **name and Password** details in the script.
2. After successful completion of DataAdapterGrantsProd.sql, log in with DATAADAPTER credentials to run script **VLDSTblDDLProd.sql**. This will create tables and indexes for VLDS\_ID\_MAPPER and VLDS\_PERFORMANCE\_JOIN tables. Add TABLESPACE name in the script

# UNIX Deployment Instructions

## **Initial** Installation Instructions:

1. Verify the server has Java JRE 6 update 29 or higher installed.

Note: Java 7.x is not supported at this time.

1. Move DataAdapter\_DEPLOY contents to desired installation folder

i.e. “/usr/bin/DataAdapter”.

1. If necessary – Modify the startup.sh file to match your environment:
   1. Ports for the desired environment – See Data Adapter Port Settings
   2. Log Directory path. i.e. “/usr/bin/Data Adapter/Log Directory”
2. Add entries as necessary to configuration files to initialize and run the Startup.sh at start up.
3. Configure the Data Adapter settings in accordance with the Data Adapter Configuration included at the end of this document.

## Version Upgrade Instructions:

1. Delete the data adapter directory contents (i.e. “/usr/bin/DataAdapter”).
2. Move the updated DataAdapter\_DEPLOY contents to the folder desired.
3. Modify to the start.bat with the correct ports (Data Adapter Port Settings) for the desired environment (if necessary).
4. Start the DataAdapter service.
5. Verify the web application has started <https://[ServerName]:[nonstandardport]/VLDS> .
6. Configure the Data Adapter settings in accordance with the Data Adapter Configuration included at the end of this document.

# Data Adapter Port Settings

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|  | Production Environment: |
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|  |  |
|  | DOE - 8090 8443 |

**DOE-Prod:**

#!/bin/bash

# This Linux script can be used to start the DataAdapter on a Linux machine.

#

# NOTE:

# 1. Change the first 3 properties (logfile and ports) for your environment.

# 2. The logfile property should be left without an extension. It will get an extension of ".log" applied automatically.

# 3. If Editing on a Windows box, make sure you use a program which can save Unix Line Endings.

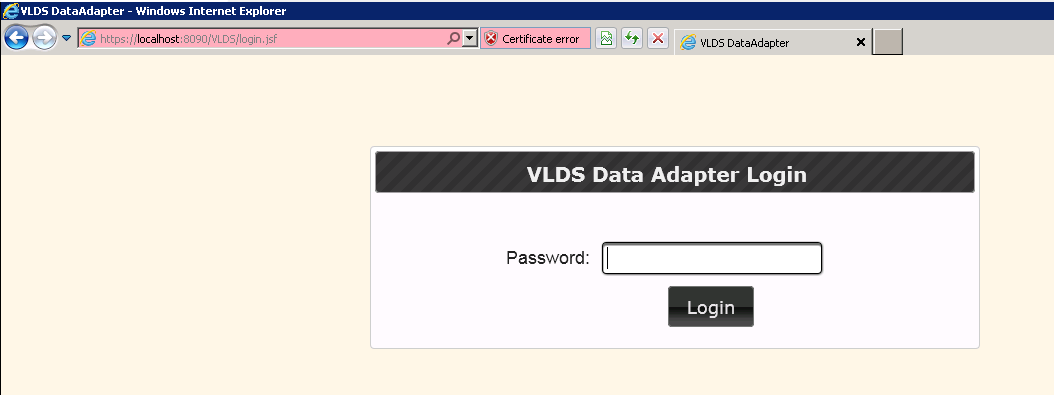
# such as Notepad++ (http://www.notepad-plus-plus.org/)

/usr/bin/java -Dedu.vt.ipg.dataadapter.logfile="/temp/DataAdapterLogs/DataAdapter" -Dedu.vt.ipg.dataadapter.website.portnum=8090 -Dedu.vt.ipg.dataadapter.webservices.portnum=8443 -Dedu.vt.ipg.dataadapter.runfrom=cmdline -Dedu.vt.ipg.dataadapter.clientcert=false -cp ./WEB-INF/lib/\*:./WEB-INF/classes edu.vt.ipg.dataadapter.App

# Data Adapter Configuration

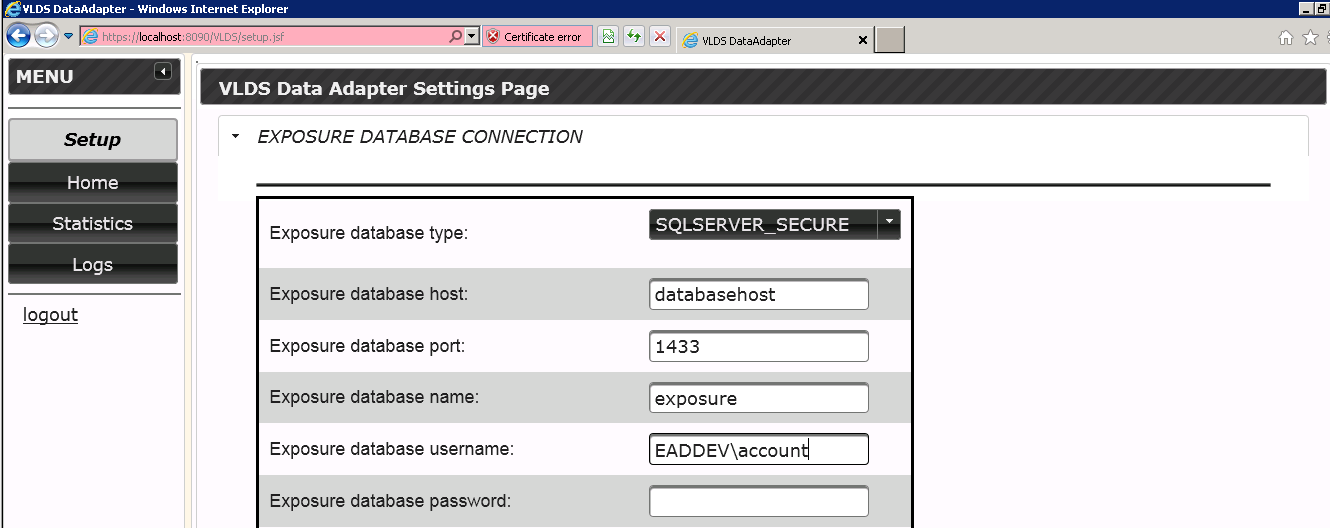
## Connecting the Data Adapter to the Exposure Database

1. Open a browser and navigate to: https://localhost:portnum/VLDS/



Note: Password is sent to the agency via separate correspondence

1. Once logged in, go to the Setup page.



1. Change the Database Type, Host, Port, Name, Username, Password and Schema to match the settings required by the Exposure Database . Click on the “Setup” button to apply, test and save.

**DOE**

Exposure database type: ORACLE

Exposure database host: lor00336.cov.virginia.gov

Exposure database port: 1521

Exposure database name: p01stby

Exposure database username: \*\*\*\*\*\*\*\*

Exposure database password: \*\*\*\*\*\*\*\*

Exposure database schema: VLDS,DATAADAPTER