



SDXML VT2024



Models and languages for handling semi-structured data and XML

VIRTUAL MACHINE INSTRUCTIONS

A virtual machine with a preconfigured environment can be accessed through remote desktop.

The virtual machine is a Windows 10 with the following software installed and configured:

- Oracle Database 21c and SQL Developer
- IBM DB2 11.5 and IBM Data Studio
- Microsoft SQL Server 2022 and SQL Server Management Studio
- XQuisitor and BaseX
- Notepad++ with plugins for XML and JSON
- Multiple web browsers for testing XSLT

The virtual machine is only reachable by remote desktop from rdsx.dsv.su.se which itself can be reached with remote desktop (using a Stockholm University account). Each student receives specific login information to a virtual machine (an IP address, a username and a password).

The virtual machine can also be reached through a web console at <https://vra2.dsv.su.se/> to be used only for example if the virtual machine has been shown down accidentally or if it becomes unreachable through remote desktop. Each student receives specific login information to the web console.

Inside the virtual machine, the following accounts are created:

Oracle database: Password for system account: sdXMLpw24

IBM DB2: Password for db2admin account: sdXMLpw24

SQL Server: Password for sa account: sdXMLpw24

Accessing the virtual machine with remote desktop

Start a remote desktop connection and connect to rdsx.dsv.su.se using your Stockholm University student account.

Once inside rdsx, start a remote desktop connection and connect to the provided IP address with the provided password using the account sxmlstudent.

Accessing the virtual machine though the web console

This option is only necessary when the machine has been shut down or if it has become unresponsive. The IP address should not change, but if it does, the new IP address can be retrieved using the web console.

Open a browser, navigate to <https://vra2.dsv.su.se/> and proceed to the login page (you may have to ignore a warning or two).

Log in using the provided account and the provided password.

Select "Service Broker".

Select "Virtual Machines" from the menu on the left side.

You should only see one virtual machine and, among other details, its state and address. Next to the name there are three dots with options. Use this menu to start (Power On) or restart (Reboot) the virtual machine.