Requirements

Vince Butler

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1 Server requirements

Memory	
Vince Butler Host	1GB
Vince Butler Modules	1GB
Total memory	**2GB**

Disk usage	
Vince Butler Host	70MB
Vince Butler Modules	35MB
Java SDK 8	350MB
Total disk usage	**455MB**

If database is run on a local PostgreSQL instance:

Memory	1GB
Disk use	200MB

2 Database

The database can be run on either a MSSQL or PostgreSQL database server.The size of the datbase is approximately 0,5 - 1 GB. This mainly depends on the following:

- Log size
  - How many duties are running and how often do they run?
  - How long should the logs be stored in the VBU database
- Statistics
  - How much statistics will be stored in the VBU database?

3 Network communication

VBU host and VBU modules are usually set up as two different services on the same server. The following ports are used by default, but if in use thay can be set different:

Vince Butler Host	Server shutdown port	8005	
	HTTP Connector Port	8080	Must be accessible from outside for clients to reach the VBU interface
	AJP Connector Port	8009	Currently not in use
Vince Butler Modules	Server shutdown port	8006	
	HTTP Connector Port	8081	Used for internal communication between host and modules
	AJP Connector Port	8010	Currently not in use
PostgreSQL	JDBC connection port	5432	Used for communication between host/modules and database

4 Java version

VBU requires Java SDK version 8.

5 Server access

To be able to install VBU we need remote access to the VBU server. Information needed is domain, username, password and the user must be authorized for remote logon.

The VBU server must have access to the database server. For MSSQL the default port is 1433, but this depends on the installation. For PostgreSQL the default port is 5432.

If the VBU database is run on a MSSQL server access to SQL Server Management Studio is preferred. This is used to set up the VBU database.

VBU communicates with both the M3 database and the M3 Grid and the VBU server needs access to these. To be able to set up a connection from VBU we need hostname, port, username and password for both.

VBU can also be used to monitor other databases than the M3 database. The databases currently supported are: MSSQL, PostgreSQL and DB2 on iSeries. Support for other database vendors will be added on demand.

6 Mail

VBU can be set up to send emails i.e if executing a duty fails. To enable this we need smtp host, port, username, password and from-address.

7 LDAP

VBU have support for logon with LDAP users. To enable this the VBU server needs access to the LDAP server. The following properties are used for setup

Root DN and password	This is the DN of a root user used for searching for DNs based on AD username
Server address and port	Address to the LDAP server
Domain Components	To locate the user folder
Organizational units	To locate the user folder

To enable mapping of VBU groups with LDAP groups the DN string og the LDAP group must be set on a group in VBU.

8 SMS services

VBU can be set up to send SMS. Currently the vendors Twilio, Target Everyone and InteleSMS are supported. New vendors will be added on demand but an API that can be used for Java is required. All REST API's or Web Services can be used. Settings needed for setup are:

Twilio	Username and password
Target Everyone	Service auth token, user auth token and mobile country code(47 for Norway)
InteleSMS	CustomerId, password, gateway, price and category

9 List of requirements

VBU database	
Database vendor	<MSSQL or PostgreSQL>
Server name / ip address	
Port	
Database name	
Username	
Password	

M3 database	
Database vendor	<MSSQL or DB2>
Server name / ip address	
Port	
Database name	
Username	
Password	

MEC database	
Database vendor	<MSSQL or DB2>
Server name / ip address	
Port	
Database name	
Username	
Password	

M3 & GRID HTTP REST Service	
Protocol	HTTP or HTTPS
Server name / ip address	
Port	
Username	<Please provide a user with a static password>
Password	

SMTP server for sending emails	
Server name / ip address	
Port	
From address	
Username	
Password	

SMS Service for sending SMS from VBU – Properties depending on the service provider	
Provider	<Twilio, TargetEveryone, InteleSMS>
Twilio parameters	<Username and Password>
TargetEveryone parameters	<ServiceAuthToken, UserAuthToken and MobileCountryCode>
InteleSMS parameters	<CustomerId, Password, Gateway, Price, and Category>

LDAP for authenticating users	
Root DN	
Root Password	
Server name / ip address	
Port	
Domain Components	
Organizational Units	