BDNA

DOCUMENTATION

BDNA Normalize Service Extractor

Quick Start Guide

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Overview

Normalize as a Service (NaaS) is used by customers who want to use Normalize hosted by BDNA. An extractor is a configuration file that pulls data from your IT Discovery tool to be used during the Normalize process.

Normalize as a Service (NaaS) Extractor Process

1. Log in to http://bdna.service-now.com/support/

2. Click on "Product Downloads."

3. Click on "Normalize as a Service" beneath the "BDNA Data as a Service" heading.

4. Click on the latest Extractor option for a 64-bit Client System. This zip file is intended specifically for customers using NaaS.

5. Unzip the BDNA Normalize Extractor zip file.

6. Double-click on "Extractor.exe" in order to launch the standalone extractor.

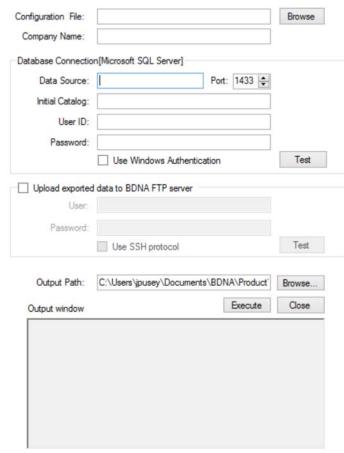## Review Extractor Results

After BDNA has processed the extract data, the results will be available on the hosted BDNA FTP site.

- **URL**: ftp://ftp.bdna.com
- **Credential**: Use the User and Password provided in the BDNA Support welcome email.

Running Extractor via the User Interface

1. Double-click the extractor.exe. The BDNA Normalize Extractor dialog appears.

Configuration File:	[ ] Browse
Company Name:	[ ]

Database Connection[Microsoft SQL Server]

Data Source:	[ ] Port: 1433
Initial Catalog:	[ ]
User ID:	[ ]
Password:	[ ]
	☐ Use Windows Authentication Test

☐ Upload exported data to BDNA FTP server

User:	[ ]
Password:	[ ]
	☐ Use SSH protocol Test

Output Path: C:\Users\jpusey\Documents\BDNA\Product'   Browse...

Output window   Execute   Close

2. Click the Browse button located next to the "Configuration File" entry field, and follow the configuration option below:

   – For NaaS Client

      • Log in to https://bdna.service-now.com/support

      • Click on "Product Downloads," then on "Normalize as a Service."

      • A list of extractor files based on different data sources are available for download.

3. Enter the abbreviation of your company name in the "Company Name" entry field. The abbreviation will be used to prefix the output file.

Note: Do not use spaces or special characters in the abbreviation of your company name.

4. Enter the below information in the "Database Connection" fields. To check the database connection settings, click Test.

Table 1: Database Connection

Field	Information
Data Source	IP address or hostname of the database server
Port	Port for the database server
Initial Catalog	Asset inventory database name
User ID	User name of the database administrator
Password	Password of the database administrator
Use Windows Authentication	Enables Windows authentication

5. (Optional) To send the exported data to BDNA Corporation at the time of extraction, follow the subprocess below:

    – For NaaS Client

        • Enable "Upload exported data to BDNA FTP Server."

        • Specify the below BDNA FTP Server Fields in the "Upload exported data to BDNA FTP Server" fields. To check the FTP connection settings, click Test.

Note: A NaaS user should create an incident request on the BDNA Support portal in order to get initially set up for NaaS. Once the request has been made, BDNA Support will provide credentials for a FTP account.

Table 2: BDNA FTP Server Fields

Field	Information
User	Enter the username provided by the BDNA Support Team
Password	Enter the password provided by the BDNA Support Team
Use SSH protocol	When checked, upload via SFTP (port 22). If unchecked, FTP is used (port 21). **Note:** The address of the BDNA FTP Server is ftp.bdna.com. Verify this access can pass through your firewall.

6. To start the Extractor, click Execute.

7. After extract and upload are complete, notify BDNA by creating a Support incident. An incident may be created by sending an email to bdna@service-now.com.

Note: To send the extract file later, you can upload the extract data file (manually upload the extract data file to the BDNA FTP server: ftp://ftp.bdna.com). Login to the FTP site using the User and Password provided in the BDNA Support welcome email. After the extract upload is complete, notify BDNA by sending an email to bdna@service-now.com.

Running Extractor via a Command Line

You can run the Extractor from a command line. This is useful for automation script-based implementations. The command line Extractor has all the functionality available in the Extractor user interface.

Use the following command in order to run the Extractor from the command line:

```
extractor <option1> <option2> ...
```

Table 3: Extractor Command Line Options

Option	Description/Example
`[-X] <fullpath_xml_config_ file>`	Full path and file name for the configuration file. `C:\sms2.extractor.config`
`[-O] <fullpath_output_dire ctory>`	Full path to the output directory. `C:\test`
`[-F] <zip_filename>`	Name for the .zip file. `BDNA.zip`
`[-H] <database_host_name>`	Host name or IP address of asset inventory database server. `192.168.8.8`
`[-PT] <database_port>`	Port number for asset inventory database server. `1433`
`[-C] <database_catalog_nam e>`	Catalog name for Microsoft SQLServer or MySQL database. `SMS_EUR`
`[-U] <database_user_name>`	User name of the asset inventory database owner. `User`
`[-P] <database_ user_password>`	Password of the asset inventory database owner. `Password`
`[-I] <use_windows_authenti cation>`	Specifies whether or not to use Windows credentials. `true	false`

`[-RS]`	Downloads all the files in your directory on the BDNA FTP site.
`[-UZ]`	Extracts the files from the .zip file.

`[-T]`
`<FTP_transport_availa`
`ble>`
	Specifies to use FTP or SFTP.
	
	Note: The address of the BDNA SFTP site is <u>ftp.bdna.com</u> and port:22. Verify that the address and the port can pass your firewall.

`[-TU] <FTP_username>`	User name for the FTP site.
`[-TP] <FTP_password>`	Password for the FTP site user.
`[-?] <Help>`	Outputs command help.

Example Commands

To extract the data and create a `.zip` file:

The following command is an example of using a Microsoft SQLServer database. It reads the `C:\sms2.extractor.config file`, connects to the `SMS_EUR` database on `192.168.8.8` using the user ID of user and password of password, and outputs the zip file to the `C:\test directory`.

- `Extractor -X C:\sms2.extractor.config -O C:\test -H 192.168.8.8 -PT 1433 -C SMS_EUR -U user -P password`

To extract the data, create a zip file, and send the file to BDNA Corporation:

The following command is an example of using a Microsoft SQLServer database. It reads the `C:\sms2.extractor.config file`, connects to the SMS_EUR database on `192.168.8.8` using the user ID of user and password of password, and outputs the .zip file to the `C:\test directory`. It then uploads the zip file to the BDNA FTP site using the user name of 'thomas' and the password '123.'

- `Extractor -X C:\sms2.extractor.config -O C:\test -H 192.168.8.8 -PT 1433 -C SMS_EUR -U user -P password -T FTP -TU thomas -TP 123`

Supported Extractors **A**

Strategic Extractors

As of the date of this publication, BDNA supports the following extractors:

Table 4: Supported Extractors

Extractors	POC Top10	Orders Top10	Content Coverage
SCCM	x	x	90%
ServiceNow Discovery	x	x	75%
Solarwinds (Orion)		x	79%
JAMF Casper		x	77%
HP UD	x	x	90%
Tanium	x	x	88%
BMC ADDM	x		88%
IBM Tivoli Endpoint Manager	x		90%