



Unicode support

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Goal

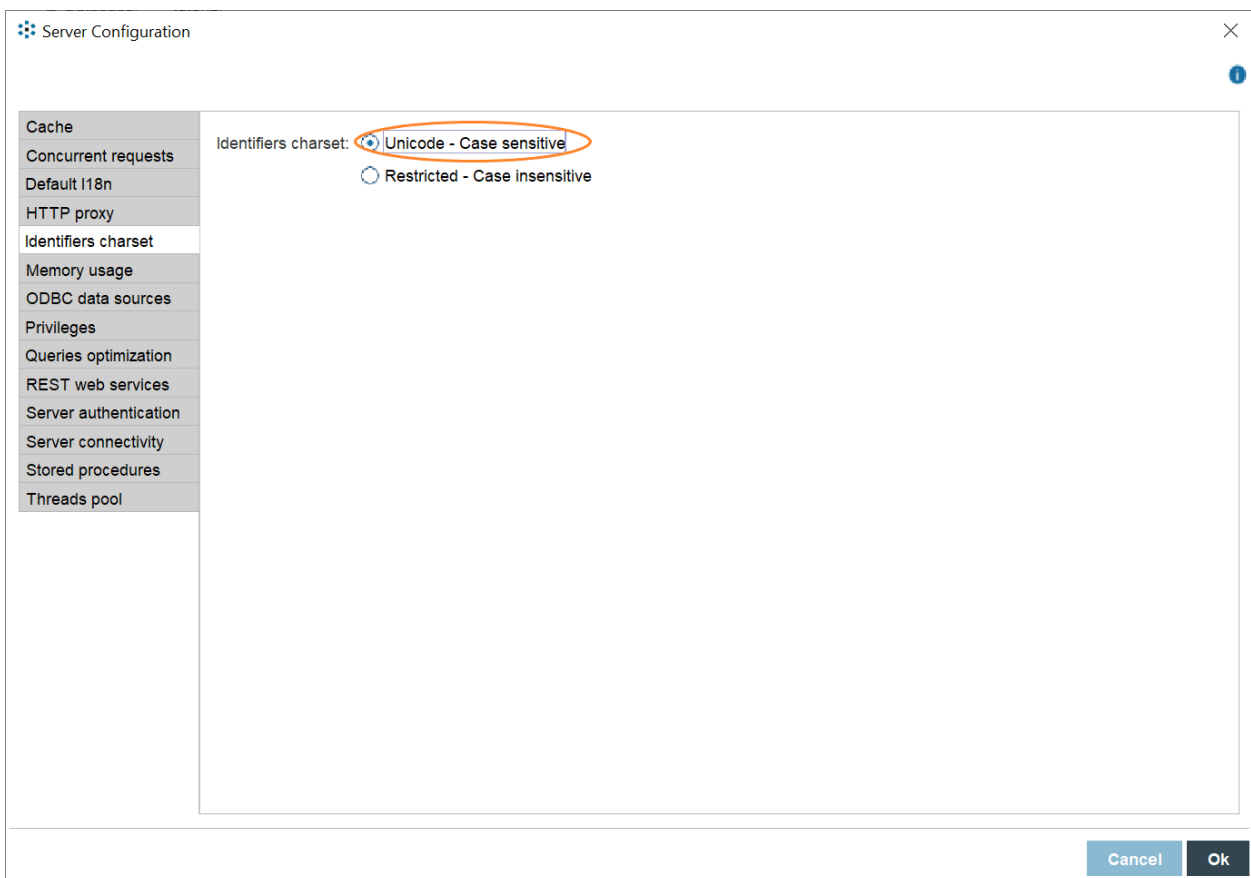
This document describes how to configure Virtual DataPort to use Unicode characters in its elements' names and rules that apply when Unicode support is enabled.

Content

Virtual DataPort supports Unicode characters in the names of most of its elements: databases, usernames, roles, data sources, wrappers, views and their fields, etc. By default, Unicode support is disabled and can be enabled for the entire server or individual databases.

To enable Unicode support for the entire server, follow the steps described below:

1. Click on Administration > Server configuration > Identifiers charset.
2. Select the option Unicode - Case sensitive, and click Ok.
3. Restart the Virtual DataPort server.



If you only want to enable Unicode support for an individual database, follow these steps:

1. Click on Administration > Database Management.
2. Select the database, and click on Edit.
3. Select the Unicode - Case sensitive, and click Ok.

Edit Database tutorial

Name: tutorial

Description:

Identifiers charset

- Default (Restricted)
- Restricted - Case insensitive
- Unicode - Case sensitive

Automatic cost based optimization

- Default (Off)
- Off
- On

Automatic simplification of queries

- Default (On)
- Off
- On

Summary rewrite optimization

- Default
- Off
- On

Authentication type

- Internal user
- LDAP

ODBC authentication

Use Kerberos for ODBC/ADO.net authentication
Please note that this options will only take effect if Kerberos is configured on the server

Cancel Ok

Once the Virtual DataPort server or an individual database has been configured to use Unicode characters, the following rules apply to the names of the different elements:

- The identifiers of elements (e.g. data sources, wrappers, views and their fields, etc.) can contain any character.

```

<identifier> ::= { <basic identifier> | <quoted identifier> }

<basic identifier> ::= [A-Za-z\200-\377][A-Za-z\200-\377_0-9\$]*

<quoted identifier> ::=
    ".*" (a double quote in an identifier has to be escaped with another
    double quote)
  
```

- To create an element whose name does not meet the definition of <identifier> described above, you have to surround its name with double quotes. For example:

```

CREATE VIEW "例" AS ...
      or
SELECT * FROM "例"
  
```

Note: View names starting with `_` are not supported.

- The identifiers of elements (data sources, wrappers, views and their fields, etc.) may be case-sensitive or not depending on how the elements are created.

If an element is case-sensitive, you always have to surround its name with double quotes. For example:

```
SELECT * FROM "Incidences"
```

All function names, operator names, and VQL tokens (e.g. ANY) are always case-insensitive.

You cannot create elements of the same type with the same name but different case.

If you use Virtual DataPort Administration Tool to create, modify, or rename an element, the tool transparently surrounds the name of the element with `"` unless all its characters are lowercase.

References

[Virtual DataPort Administration Guide: Identifiers Charset](#)
[Virtual DataPort Administration Guide: Creating Databases](#)
[Advanced VQL Guide: Unicode Identifiers](#)