

Recommendations for Migrating to Case-Sensitive Passwords

The **IBSO Core – Development Platform** modules (hereinafter referred to as the “**IBSO Core – Development Platform**”) support the use of case-sensitive passwords.

Migration to case-sensitive passwords should be performed when using the Oracle 12c platform, as starting from this database version, the SEC_CASE_SENSITIVE_LOGON parameter is **DEPRECATED**, i.e. its use is no longer recommended.

Support for case-sensitive passwords was introduced in Oracle 11g.

The intended migration procedure was as follows:

After upgrading to Oracle 11g, Oracle authenticates users without taking password case into account until the user changes their password for the first time.

After the first password change, user authentication is switched to case-sensitive mode if case-sensitive password authentication is enabled (i.e. the database parameter SEC_CASE_SENSITIVE_LOGON is set to TRUE).

If case-sensitive password authentication is disabled, authentication continues in case-insensitive mode.

If case-sensitive password authentication is enabled, Oracle switches to case-sensitive password verification for the password specified by the user at their most recent password change.

However, this migration procedure could not be applied when upgrading to Oracle 11g because the client modules of the **IBSO Core – Development Platform** and the Core server component did not support case-sensitive passwords.

Most users of systems based on the **IBSO Core – Development Platform** and operating on Oracle 11g or 12c databases had already changed their passwords after upgrading to Oracle 11g. Therefore, once case-sensitive password authentication is enabled, their existing passwords will become case-sensitive.

This may result in widespread user login issues, as users may not remember the exact letter case of the password specified when they last changed it.

Another specific feature of Oracle 11g when case-sensitive password authentication is enabled (SEC_CASE_SENSITIVE_LOGON = TRUE) has also been identified: a user whose password has expired can change their password only if the password change is performed using an Oracle Client version that exactly matches the Oracle Database version.

Based on the above, the recommended migration procedure is as follows.

0. Upgrade to Oracle 12c

Note: Case-sensitive passwords can also be used with Oracle 11g (version 11.2.0.2 or later). However, in this case, the Oracle Client version installed on users' workstations must exactly match the Oracle Database version. For example, when using Oracle Database version 11.2.0.2, only Oracle Client version 11.2.0.2 can be used.

1. Install the IBSO Core server component

Install version **7.4.2.1 or later** of the IBSO Core Server Component.

Note: The IBSO Core version supporting case-sensitive passwords will be published on the IBSO TECH support portal.

2. Update user workstations

The following client applications must be updated:

- **IBSO Navigator** — version **6.0.118.13** (Novo118_13.exe) or later
- **Data Dictionary Administrator** — version **6.332.0.129** (Admin332_129.exe) or later
- **Project Administrator** — version **6.93.0.88** (Pick93_88.exe) or later
- **Access Administrator** — version **6.86.0.51** (UAdm86_51.exe) or later
- **Distribution Administrator** — version **6.19.0.39** (PjAdm19_39.exe) or later

- **Personal Data Administrator** — version **6.3.0.18** (PdAdm03_18.exe) or later
- **Data Export Generator** — version **6.32.0.14** (GenExp32_14.exe) or later
- **Auditor Workstation** — version **6.20.0.27** (Audit20_27.exe) or later
- **Transceiver** — version **6.0.16.12** (Oxch16_12.exe) or later
- **Communication Channel Monitor** — version **6.0.86.09** (OraMon.exe) or later
- **Update Installation Program** — version **6.0.1.48** (CFTUpdate1_48.exe) or later

The steps listed above may be performed in any order.

The subsequent steps must be performed only after all preceding steps have been completed and provided that no users are working in the System between the steps.

3. Perform the following actions with no active users

3.1. Run the script to switch user passwords to case-insensitive mode

Run the script that switches user passwords to case-insensitive mode.

An example of a script that sets the case-insensitive password flag for all Oracle users registered in the **IBSO Core – Development Platform** access control system can be found [here](#).

Attention! If necessary, the script may be modified, for example by changing the user selection criteria in the query, commenting out automatic execution of the additionally generated script, etc.

Do not forget to update the passwords of technical users, DB Link settings, and other relevant credentials and configuration parameters.

3.2. Enable case-sensitive password authentication

Set the database configuration parameter SEC_CASE_SENSITIVE_LOGON to TRUE.