

4.8.3 Uniqueness check

🌐 Language: [Deutsch](#) · [English](#)

🔧 4.8.3 Uniqueness check

4.8.3 Uniqueness check – part of the MT940 Nuclet documentation (duplicate check for imported MT940 transactions).

HOW-TO

INTEGRATORS

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APPLIES TO NUCLOS 4.2026.X

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Machine-translated – under review

This page was machine-translated from German as a first draft and is currently under review. The authoritative source remains the **German original** (see the language switch above).

The check whether an incoming record from the MT940 import already exists in the database is performed in the method **doesBankTransactionAlreadyExist()** of the abstract class `org.nuclet.mt940.logic.AbstractMT940Logic`. By default, the following attributes are taken into account in this comparison:

- Booking date (entry date)
- Value date (value date)
- Amount (amount)
- Debit/credit mark (debit credit mark)
- Bank transaction (business transaction type code/bank transaction type)
- Multipurpose field (information to account owner)

If this rule is to be modified (e.g. so that the check is less strict), this is the place to start. If possible, the change should not be made directly in the class `AbstractMT940Logic`. The source code location provided for this in the concrete implementation `MT940Logic` is marked accordingly with an `@replace!` tag.



It is recommended to make the changes in the concrete implementation `MT940Logic` or in your own class that inherits from the abstract class `AbstractMT940Logic`.

```

/**
 * Checks, if a representation of the given bank transaction has already been stored to the database.
 *
 * Identifying criteria could be a combination of:
 *
 * - entry date
 * - value date
 * - amount
 * - debit credit mark
 * - business transaction type code / bank transaction type
 * - information to account owner
 * - remittance information
 *
 * @param transaction a given bank transaction, represented by a <code>Mt940Transaction</code> object
 *
 * @return true, if a representation of the given bank transaction has already been stored to the database
 *
 * @throws BusinessException might be thrown in case of errors or other exceptions
 */
public boolean doesBankTransactionAlreadyExist(Mt940Transaction transaction) throws BusinessException
{
    Query<BankTransaction> qryGetExistingBankTransactions = QueryProvider.create(BankTransaction.
class);
    final DebitCreditMark debitCreditMark = debitCreditMarkFacade.getDebitCreditMark(transaction.
getDebitCreditMark().getName());
    BankTransactionType bankTransactionType = null;

    if (transaction.getBusinessTransactionTypeCode() != null) {
        bankTransactionType = bankTransactionTypeFacade.getBankTransactionType(transaction.
getBusinessTransactionTypeCode());
    } else {

        qryGetExistingBankTransactions.where(BankTransaction.EntryDate.eq(transaction.getEntryDate()))
            .and(BankTransaction.ValueDate.eq(transaction.getValueDate()))
            .and(BankTransaction.Amount.eq(transaction.getAmount()))
            .and(BankTransaction.DebitCreditMark.eq(debitCreditMark.getId()))
            .and(BankTransaction.BankTransactionType.eq(bankTransactionType.getId()))
            .and(BankTransaction.InformationToAccountOwner.eq(transaction.getInformationToAccountOwner()));
    } else {

        qryGetExistingBankTransactions.where(BankTransaction.EntryDate.eq(transaction.getEntryDate()))
            .and(BankTransaction.ValueDate.eq(transaction.getValueDate()))
            .and(BankTransaction.Amount.eq(transaction.getAmount()))
            .and(BankTransaction.DebitCreditMark.eq(debitCreditMark.getId()))
            .and(BankTransaction.InformationToAccountOwner.eq(transaction.
getInformationToAccountOwner()));
    }

    final List<BankTransaction> lstBankTransactions = QueryProvider.execute
(qryGetExistingBankTransactions);

    return (lstBankTransactions != null && lstBankTransactions.size() > 0);
}

```

Related pages

4.8 MT940: Specific extensions

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