

GDPR implementations

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

💡 GDPR implementations

GDPR features in the Nuclos core – delete users via API, clean up the session log and control historization.

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APPLIES TO NUCLOS 4.2026.X

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To make implementing **GDPR** requirements easier, several extensions were added to the Nuclos core from **version 4.2022.7**.

Deleting users via the API

Users can be deleted via `org.nuclos.api.provider.UserProvider#delete` – e.g. via a job that removes long-locked users:

```
import java.util.ArrayList;
import java.util.Calendar;
import java.util.List;

import org.nuclos.api.context.JobContext;
import org.nuclos.api.exception.BusinessException;
import org.nuclos.api.provider.QueryProvider;
import org.nuclos.api.provider.UserProvider;
import org.nuclos.api.rule.JobRule;
import org.nuclos.api.rule.TransactionJobRule;
import org.nuclos.system.User;

public class DSGVOGesperrteUserLoeschen implements JobRule, TransactionJobRule {
    @Override
    public void execute(final JobContext context) throws BusinessException {
        User user = (User) context.getTransactionObject();
        context.joblog("delete user " + user.getUsername());
        UserProvider.delete(user);
    }

    @Override
    public List<Object> getTransactionalObjects(final JobContext context) {
        Calendar calendar = Calendar.getInstance();
        calendar.add(Calendar.DAY_OF_YEAR, -90); // Letzte Änderung am User ist 90 Tage her
        return new ArrayList<>(QueryProvider.execute(QueryProvider.create(User.class)
            .where(User.Locked.eq(true))
            .and(User.ChangedAt.Lt(calendar.getTime()))));
    }
}
```

Further extensions

- **Session statistics** (T_AD_SESSIONS) are automatically deleted at midnight via the system parameter `PRIVACY_DELETE_SESSIONLOG_AFTER_PERIOD` (days).
- **History** (T_UD_HISTORY): changes are historized; retention can be configured per attribute in the BO wizard.

Related pages

System tables

System tables.

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