XSTREAM - OVERVIEW

XStream is a simple Java-based library to serialize Java objects to XML and vice versa.

Features

- **Easy to use** - XStream API provides a high-level facade to simplify common use cases.

- **No need to create mapping** - XStream API provides default mapping for most of the objects to be serialized.

- **Performance** - XStream is fast and is of low memory footprint, which is suitable for large object graphs or systems.

- **Clean XML** - XStream produces clean and compact XML output that is easy to read.

- **Object modification not required** - XStream serializes internal fields like private and final fields, and supports non-public and inner classes. Default constructor is not a mandatory requirement.

- **Full object graph support** - XStream allows to maintain duplicate references encountered in the object-model and also supports circular references.

- **Customizable conversion strategies** - Custom strategies can be registered in order to allow customization of a particular type to be represented as XML.

- **Security framework** - XStream provides a fair control over unmarshalled types to prevent security issues with manipulated input.

- **Error messages** - When an exception occurs due to malformed XML, it provides detailed diagnostics to fix the problem.

- **Alternative output format** - XStream supports other output formats like JSON and morphing.

Common Uses

- Transport
- Persistence
- Configuration
- Unit Tests