

# Tasklets

A Xots Tasklet must follow a few standard rules:

- It must implement at least either the `org.openntf.domino.xots.AbstractXotsCallable` or `org.openntf.domino.xots.AbstractXotsRunnable` interface
  - Use `org.openntf.domino.xsp.xots.AbstractXspXotsCallable` or `org.openntf.domino.xsp.xots.AbstractXspXotsRunnable` from XPages
- The class must be annotated by the `@Tasklet` annotation
- The annotation should define the session variable as one of the `Tasklet.Session` enum options

An `org.openntf.domino.xots.XotsContext` object is passed into the tasklet. This contains three properties:

- `contextApiPath` - the context path for the application, for use in OpenLog logging
- `openLogApiPath` - path for OpenLog logging database to log to
- `taskletClass` - name of this class, used for logging

If extending `AbstractXspXotsCallable` or `AbstractXspXotsRunnable` interfaces, an `org.openntf.domino.xsp.xots.XotsXspContext` object is passed, which has six additional properties:

- The four scopes (`requestScope`, `viewScope`, `sessionScope`, `applicationScope`). **NOTE:** writing to the first two is not recommended.
- `facesContext`
- `XspContext`

If a Xots Tasklet is a `Runnable` the tasklet will run in the background and your code will continue.

If a Xots Tasklet is a `Callable` the tasklet returns a value and the code will wait for and process the response.