

LTSA

Prerequisites

- Eclipse Modeling Tools Version: Neon.2 Release (4.6.2)
(<https://www.eclipse.org/downloads/packages/release/Neon/2>)
- Labelled Transition System Analyser(LTSA) version 3.0 (<https://www.doc.ic.ac.uk/ltsa/>)

LTSA transforms BPEL to LTS-format

The screenshot displays the LTSA WS-Engineer Perspective within the Eclipse IDE. The interface is divided into several panes:

- Navigator:** Shows the project structure, including `TSTWS`, `bpelContent`, `casus_CaseHandling`, `GitTest`, and `myPick`.
- Project Explorer:** Displays the contents of the `GitTest.bpel` file, including `deploy.xml`, `GitTest.bpel`, `GitTest.bpelex`, `GitTest.lts`, and `GitTestArtifacts.wsdl`.
- Outline:** Lists the compositions and processes, including `DEFAULT`, `GITTEST_BPModel`, `GITTEST_Instance`, `targetNamespace`, `suppressJoinFailure`, `xmlns:tns`, and `xmlns:bpel`.
- LTS Output:** Shows the composition details, including the state space (`5 = 2 ** 3`) and the minimised states (`3 in 0ms`).
- WS-BPEL Editor:** Displays the BPEL code for `GitTest.bpel`, which includes a `START` block, a `range` block, and a `set` block.
- LTS Draw:** Shows the LTS model, including the `Machine` and the `GITTEST_BPModel`.
- LTS Animator:** Displays the LTS model as a state transition diagram, showing a sequence of states: `1` (red), `1` (blue), and `E` (blue).