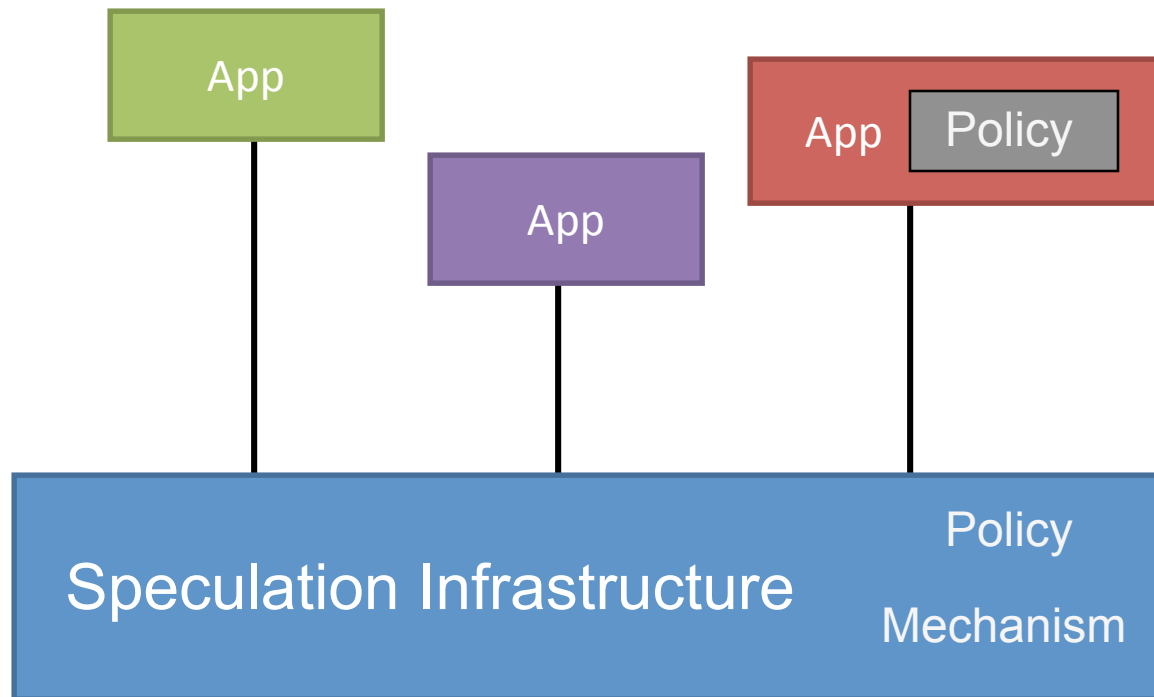


System Support for Custom Speculation Policies

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SOSP 2009

Overview



Speculation Policy

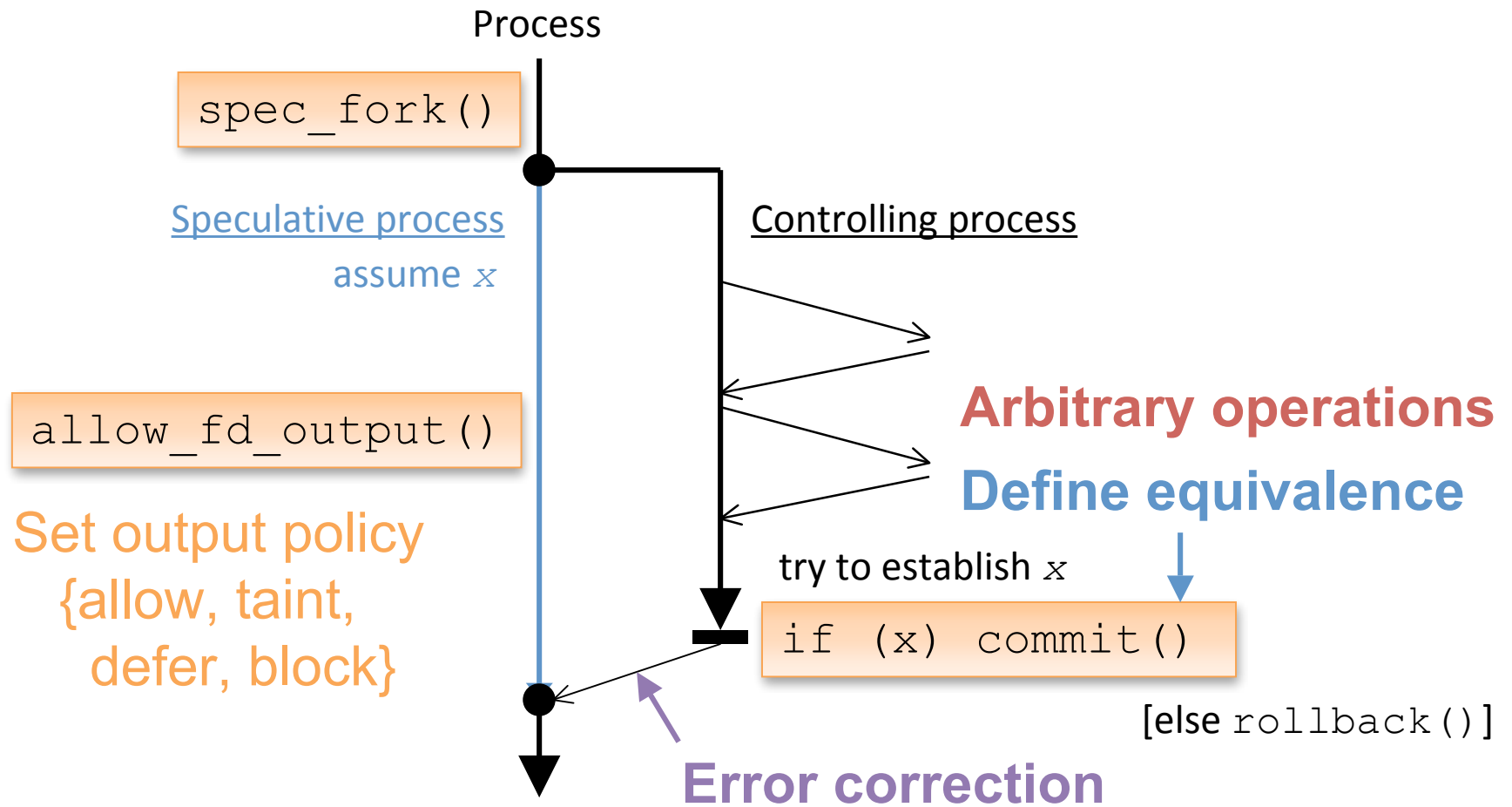
Default

- Predict **system calls**
- Allow **no** uncommitted output
- Commit **identical** results
- **Roll back** after any change

Custom

- Predict **arbitrary operations**
- Allow **harmless** uncommitted output
- Commit **equivalent** results
- Correction **appropriate** to error

Interface



Uses

- Predicting user actions
 - Bash shell
- Authentication
- User-level network services

More?