Activity Instance Schema

Activity Instance Document Schema

Wednesday 14 October, 2009

Banff, CA

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Content

- Very quick objective review
- Final of the schema
  - Structure
  - Discussion of elements
- Discussion of remaining issues

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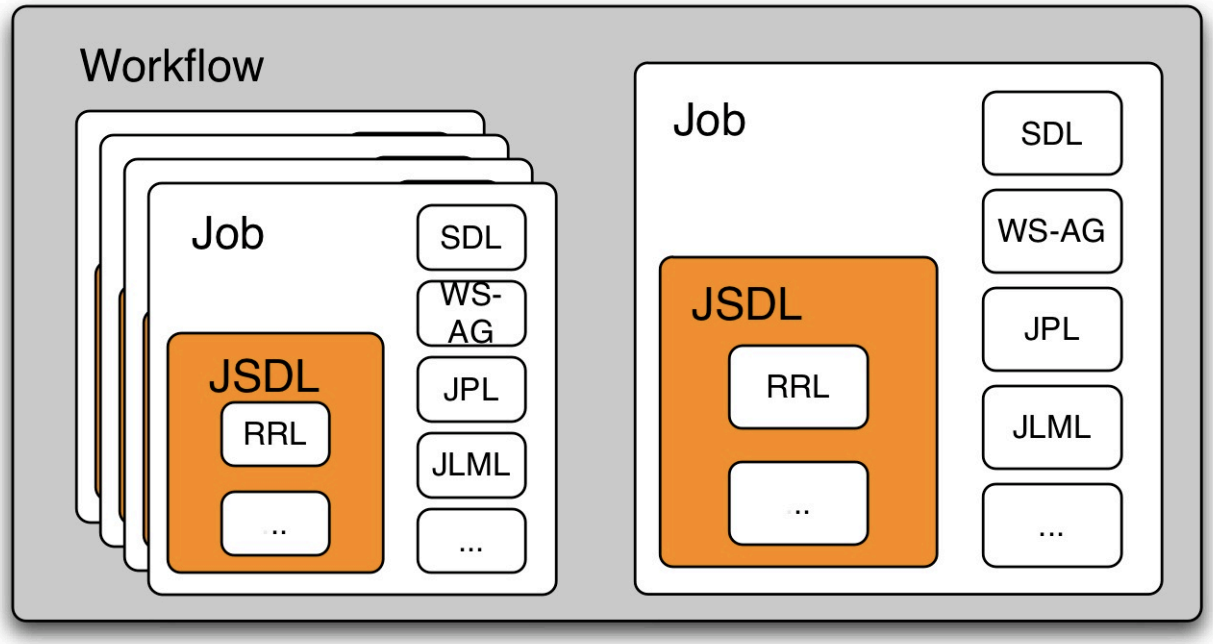
Objectives - General



JSDL comprises a core Resource Request Language (RRL) and exists within an environment of other languages like Scheduling Description Language (SDL), Job Policy Language (JPL), etc.

→ more requirements, dependencies, etc. wrt to an Activity

→ Activity Instance Schema to capture (some of) those requirements, ...

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Objectives - Current Work

- Activity Instance Schema has been finalised
  - Captures requirements from use cases
  - Captures discussion over the last months
  - “Abstract” schema realises abstract concepts
  - OGF-specific schema substitutes abstract concepts with OGF-related ones
- Document writing process
  - Half there, slowed down by … by …
  - Will be with the OGF editor end of 2009

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Timeline (from OGF 26!)

- Leisurely timeline ← This was not too bad …
  - First (incomplete) document draft for OGF26
  - Second (complete but not finalized) OGF27
  - Public comment: End of year
  - Publish March 2010
- Compact timeline ← Go for that!
  - First (incomplete) document draft for OGF26
  - Second (complete but not finalized) mid summer
  - Public comment: OGF27
  - Publish end of 2009

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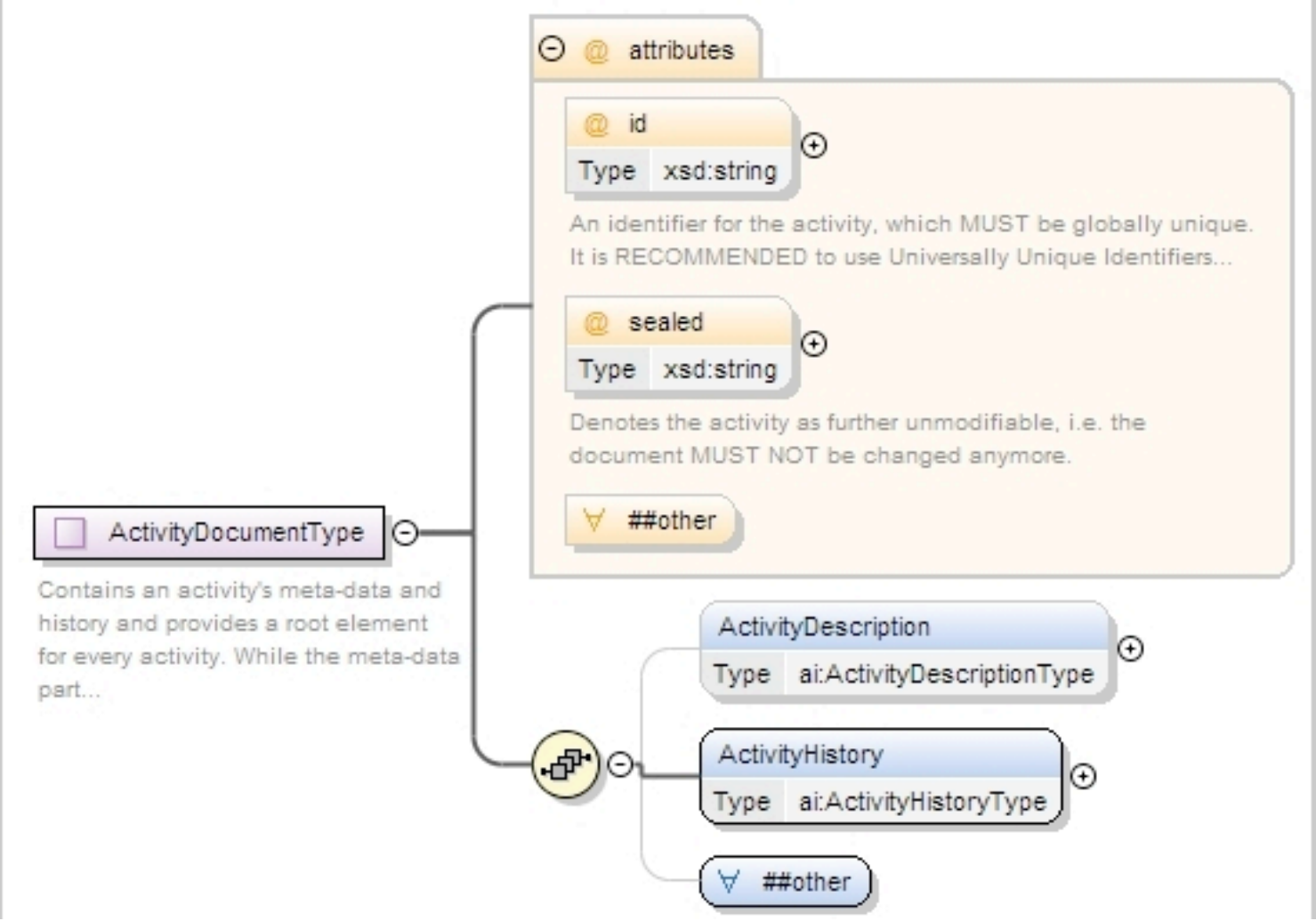
Activity Instance Schema



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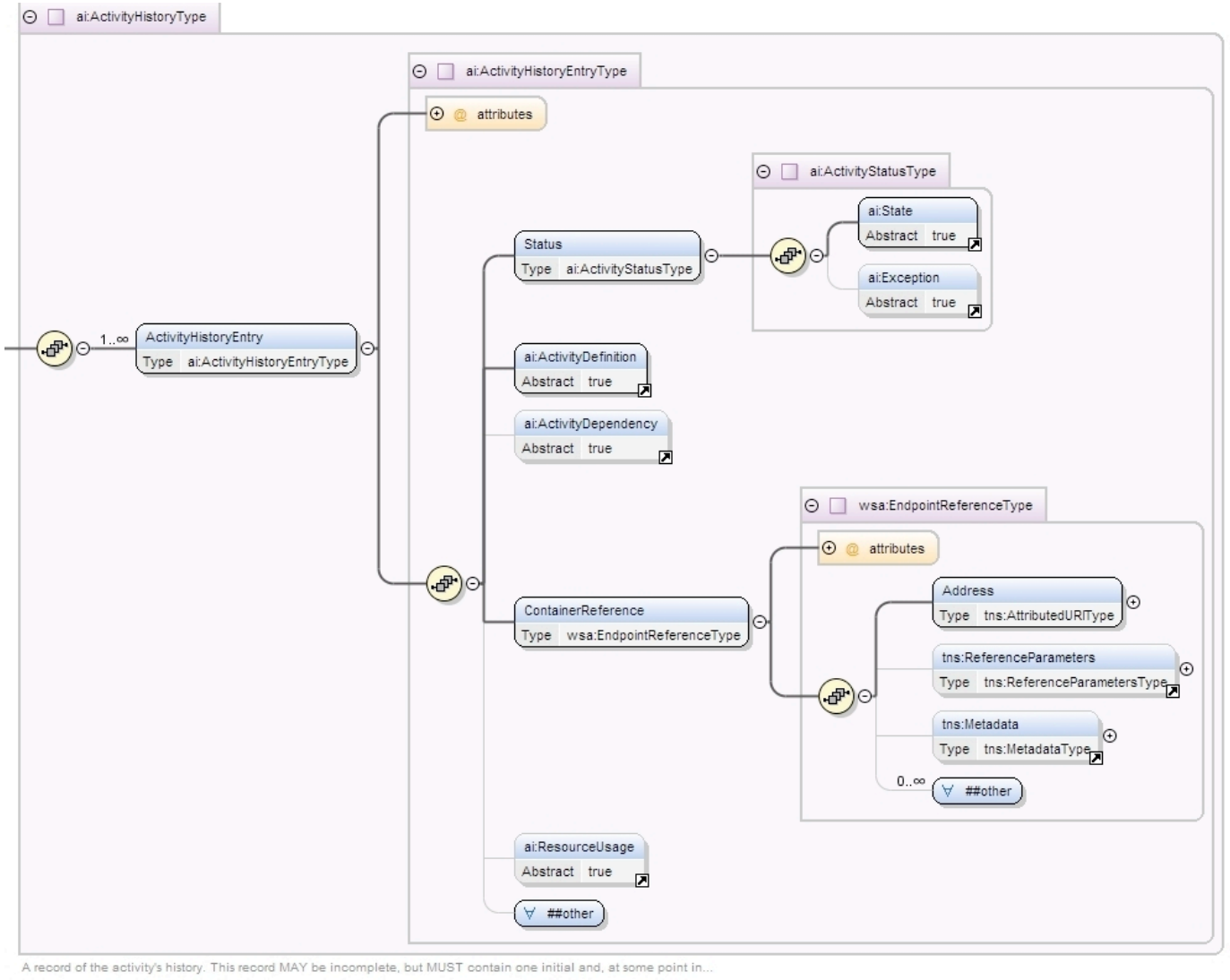
Schema Detail



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Activity Schema Document

- Features life editing ...

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Ongoing implementation

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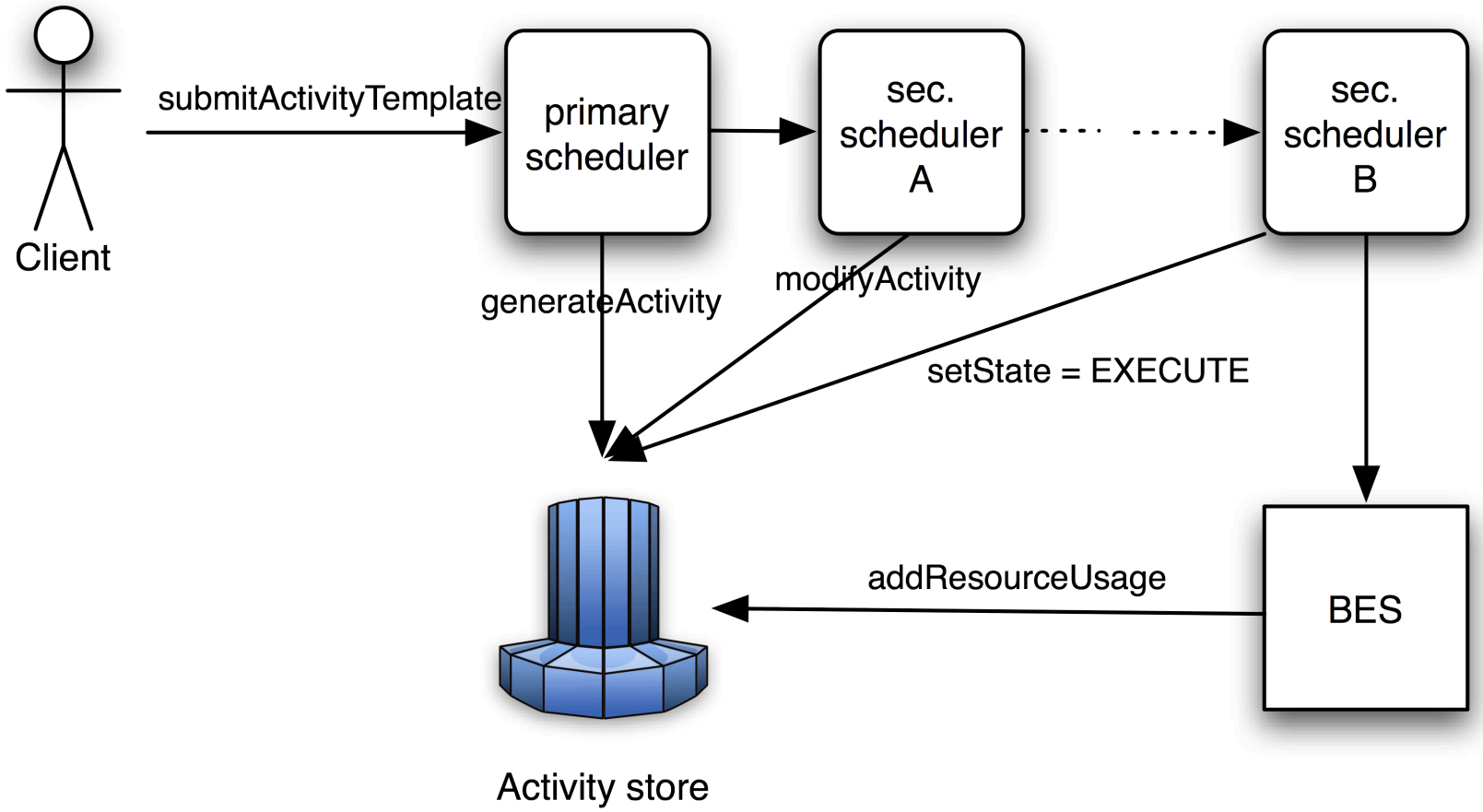
Implement Delegating Use Case



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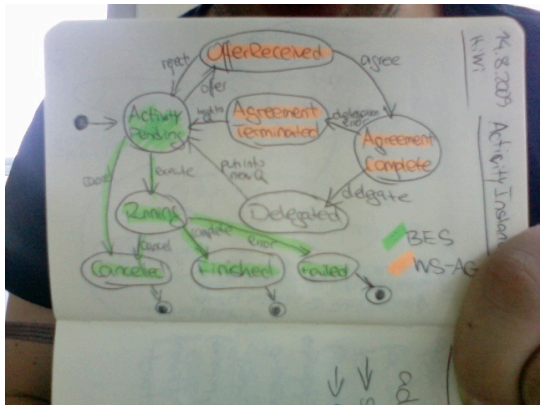
Details

- Activity is created once the job is submitted
- All state changes are captured
  - SLA Negotiation states
  - Delegation
  - BES states



- Interface is quite simple
  - createActivity(ActivityDefinition, ManagerEPR) : ActivityEPR
  - getActivityInstance(ActivityEPR) : ActivitInstance
  - updateActivityInstance(ActivityEPR, ActivitInstance, SLA, ManagerEPR)
- Java, WS-Agreement, CXF, eXist

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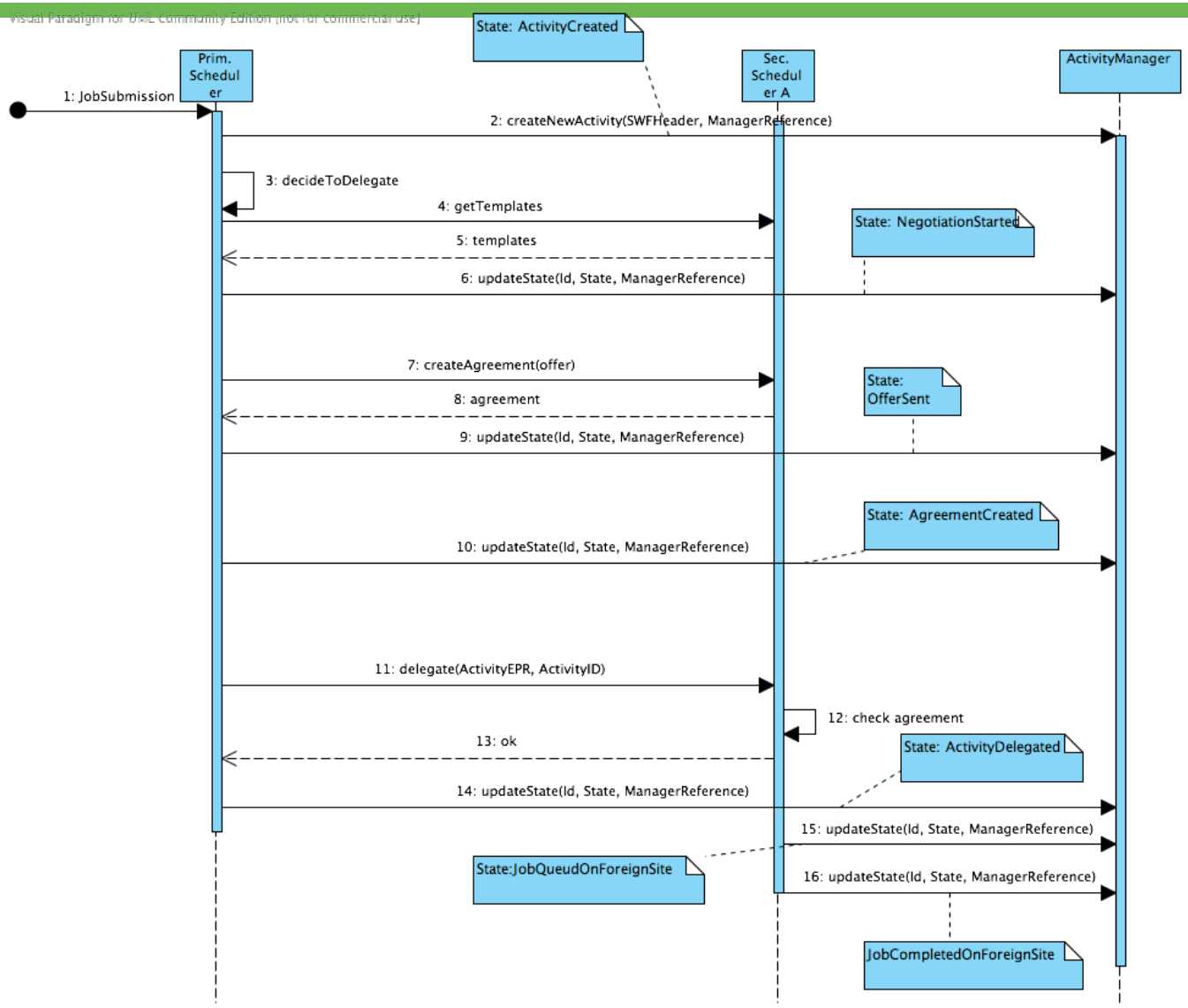
Sequence Diagram



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