OCCI Monitoring

Extending the OCCI API with monitoring capabilities

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- Two types: the Collector and the Sensor

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- Plugins are organized into two collections: ToolSet and CollectorSet

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- The target resource can be, for instance, a Compute Resource that implements a resource management strategy

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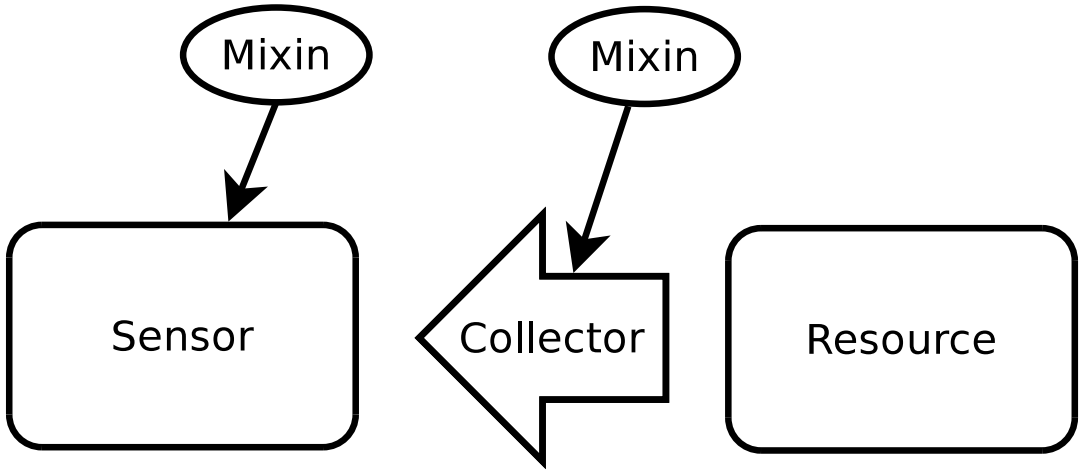
  - Control: how the specific aggregation is done
  - Metric: the name corresponds to an aggregated metric

A single stage scenario



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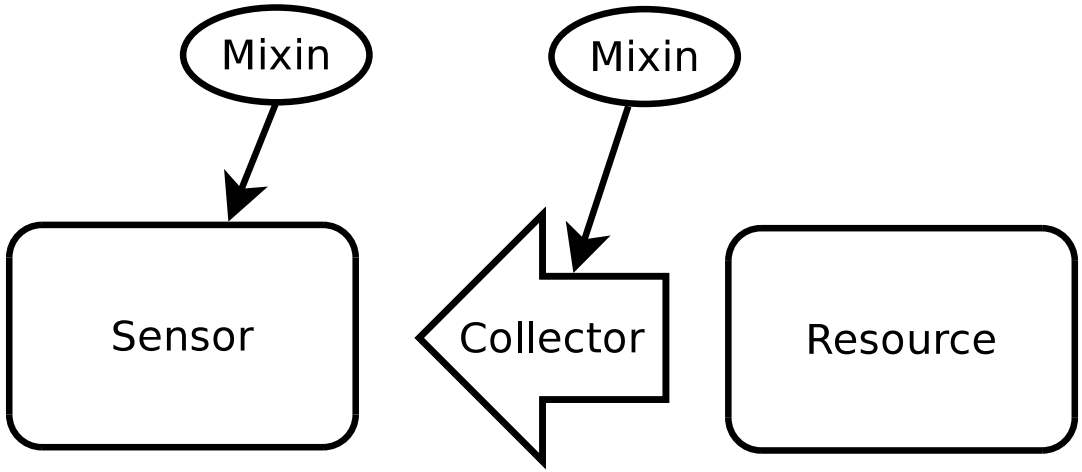

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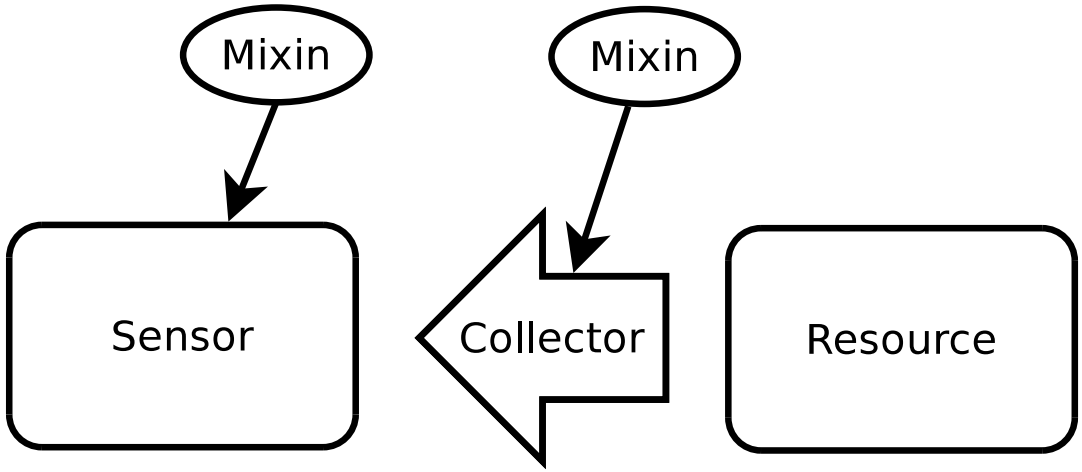
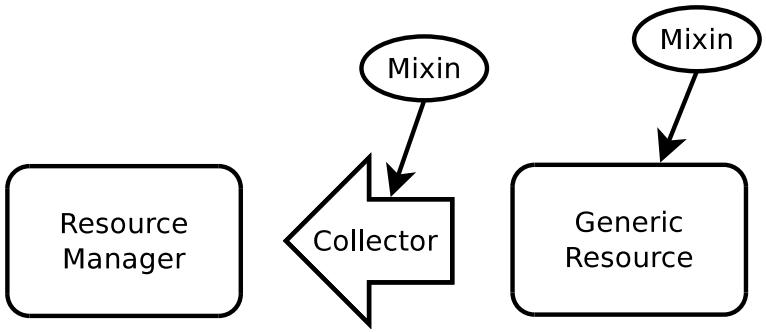


- This corresponds to the basic case:
- The collector is characterized with a ToolSet mixin,
- while the sensor has a PublisherSet attribute.

A self-monitoring resource



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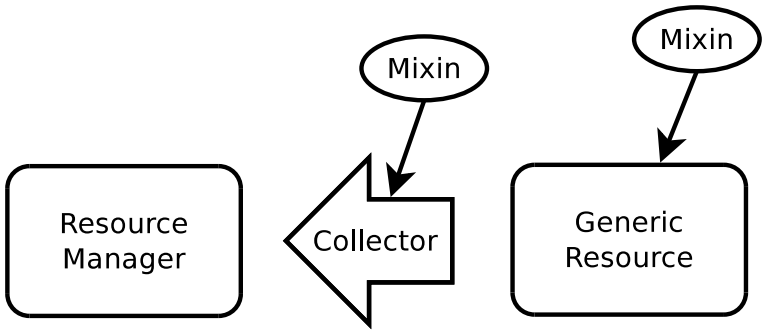

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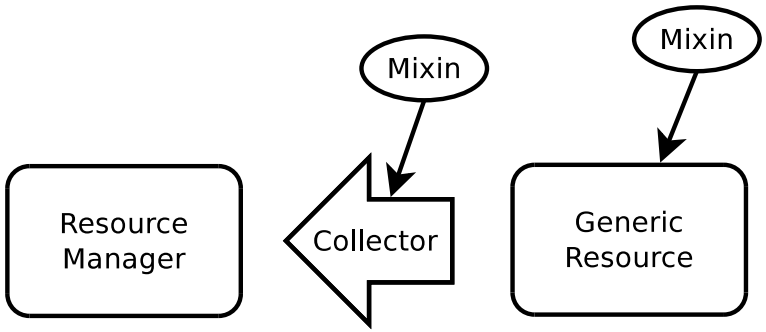

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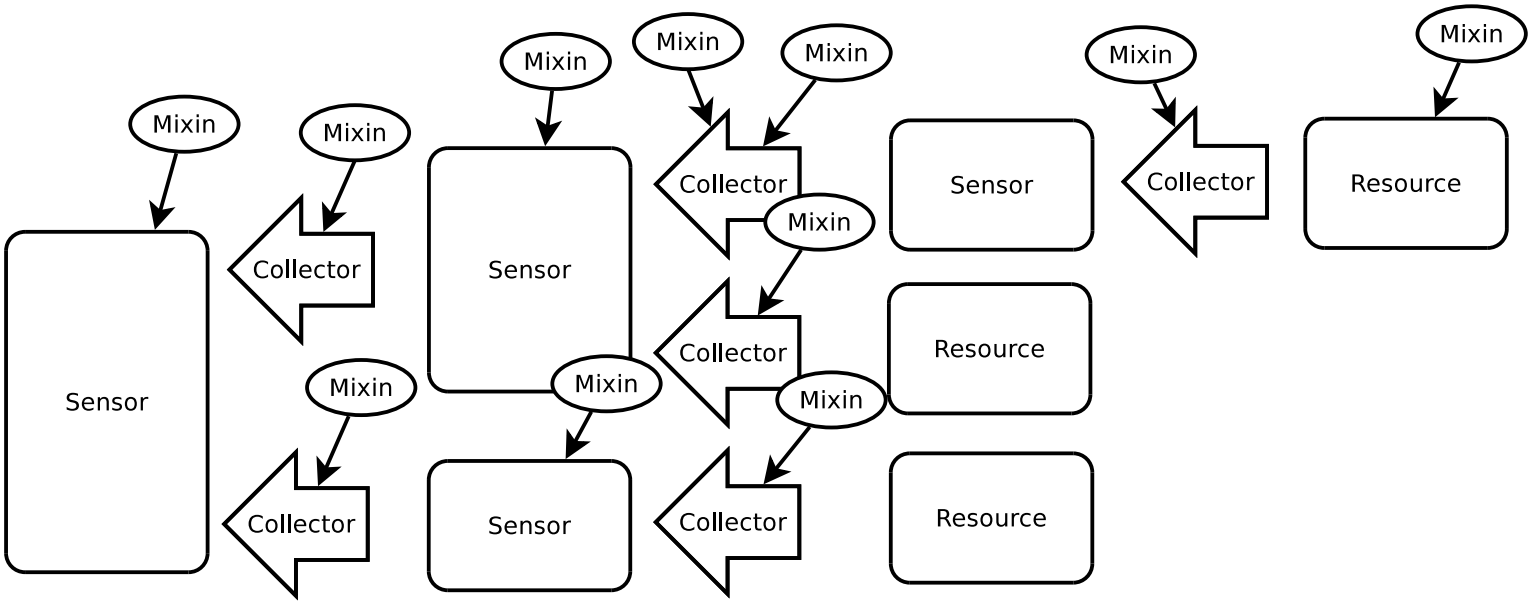
- e.g.: A Compute Resource with a *syslog* processor as a mixin

A multi-stage monitoring infrastructure



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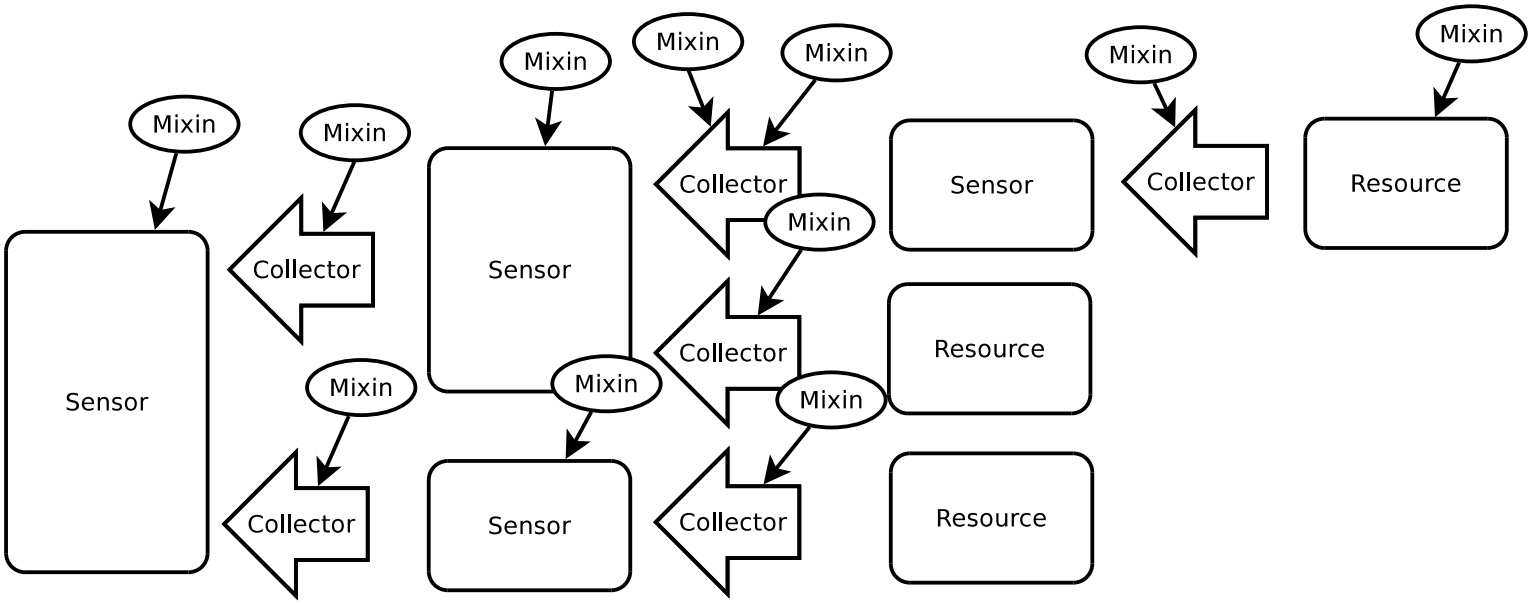

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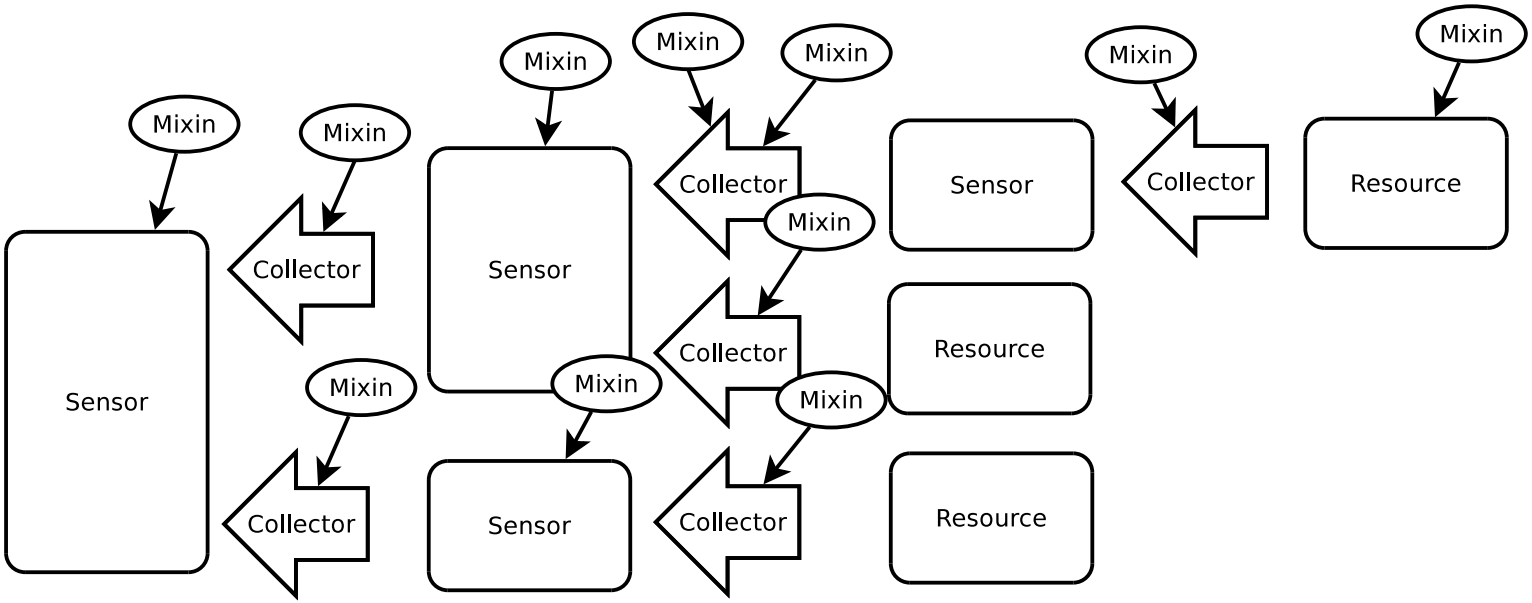

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- Multistage sensors: useful to cross provider boundaries
- Combining measurements: a metric can result from combination

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