

2021-09-23

The eiffel-broadcaster Jenkins plugin

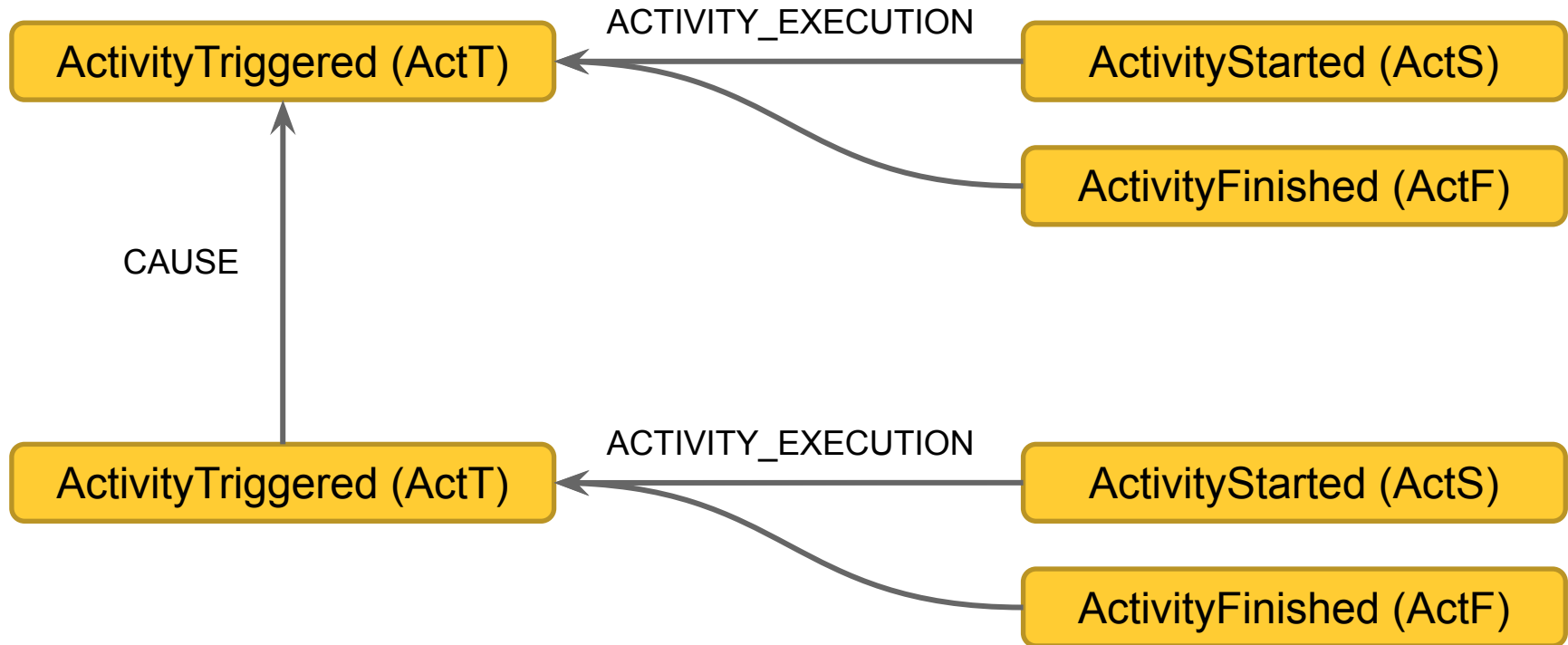
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Agenda

- > Activities
- > Injecting Eiffel links to builds started via HTTP API
- > Sending events from pipelines
- > Publishing artifacts

Activity modeling



Activity categories

The data.categories member of ActivityTriggered events can be configured globally and per job.

```
properties([  
    eiffelActivity(categories: ['maven'])  
])
```



```
{  
  "data": {  
    "categories": ["maven"],  
    ...  
  },  
  ...  
}
```

Accessing activity events from within the builds

The ActT and ActS events can be accessed from builds via the EIFFEL_ACTIVITY_TRIGGERED and EIFFEL_ACTIVITY_STARTED environment variables.

```
$ env | grep "^EIFFEL_"  
EIFFEL_ACTIVITY_TRIGGERED={"meta":"type":"EiffelActivityTrig...  
EIFFEL_ACTIVITY_STARTED={"meta":"type":"EiffelActivityStarte...
```

Injecting Eiffel links to builds started via HTTP API

POST /jobs/my_example_job/eiffel/build

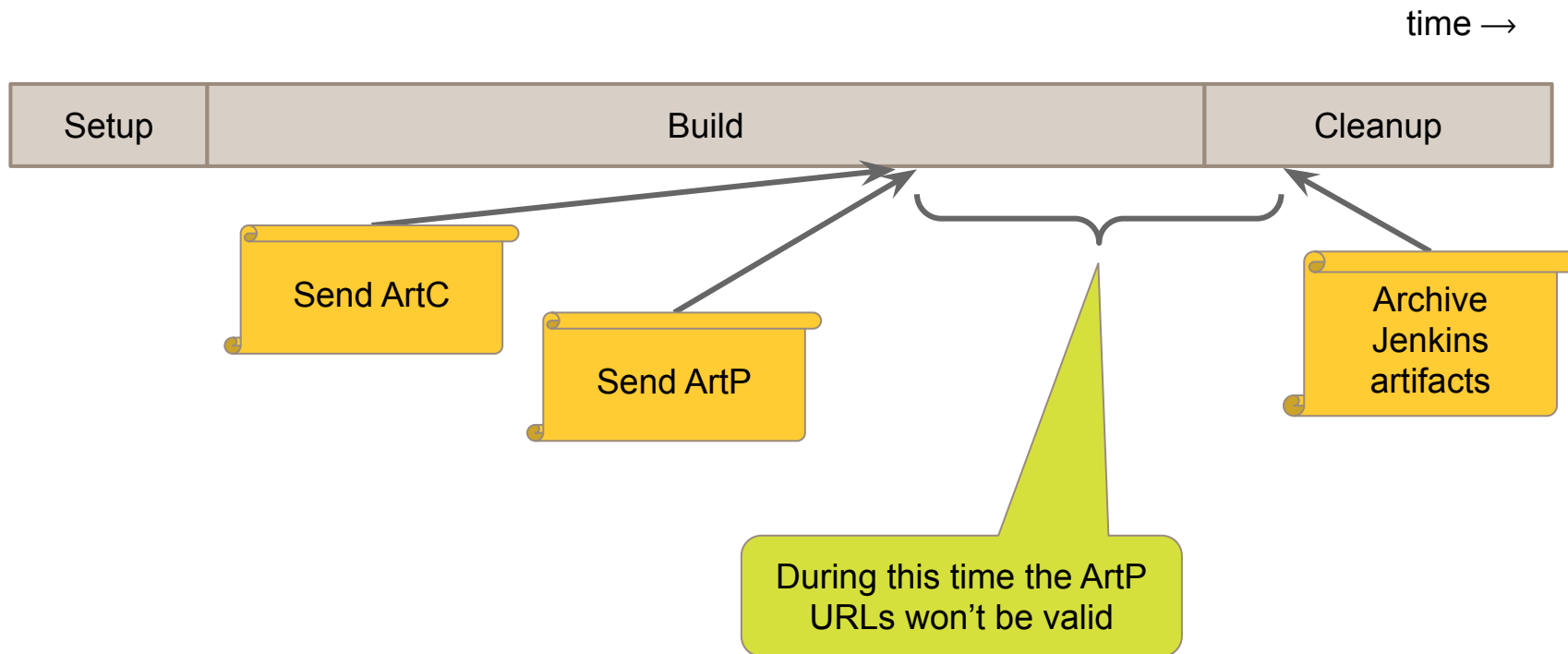
```
json={
  "parameter": [
    {"name": "PARAM_NAME", "value": "param value"}
  ],
  "eiffellinks": [
    {
      "target": "662b3813-bef4-4588-bf75-ffaead24a6d5",
      "type": "CAUSE"
    }
  ]
}
```

(Not literal example; the POST payload is an HTML form so must be on one line and form-encoded.)

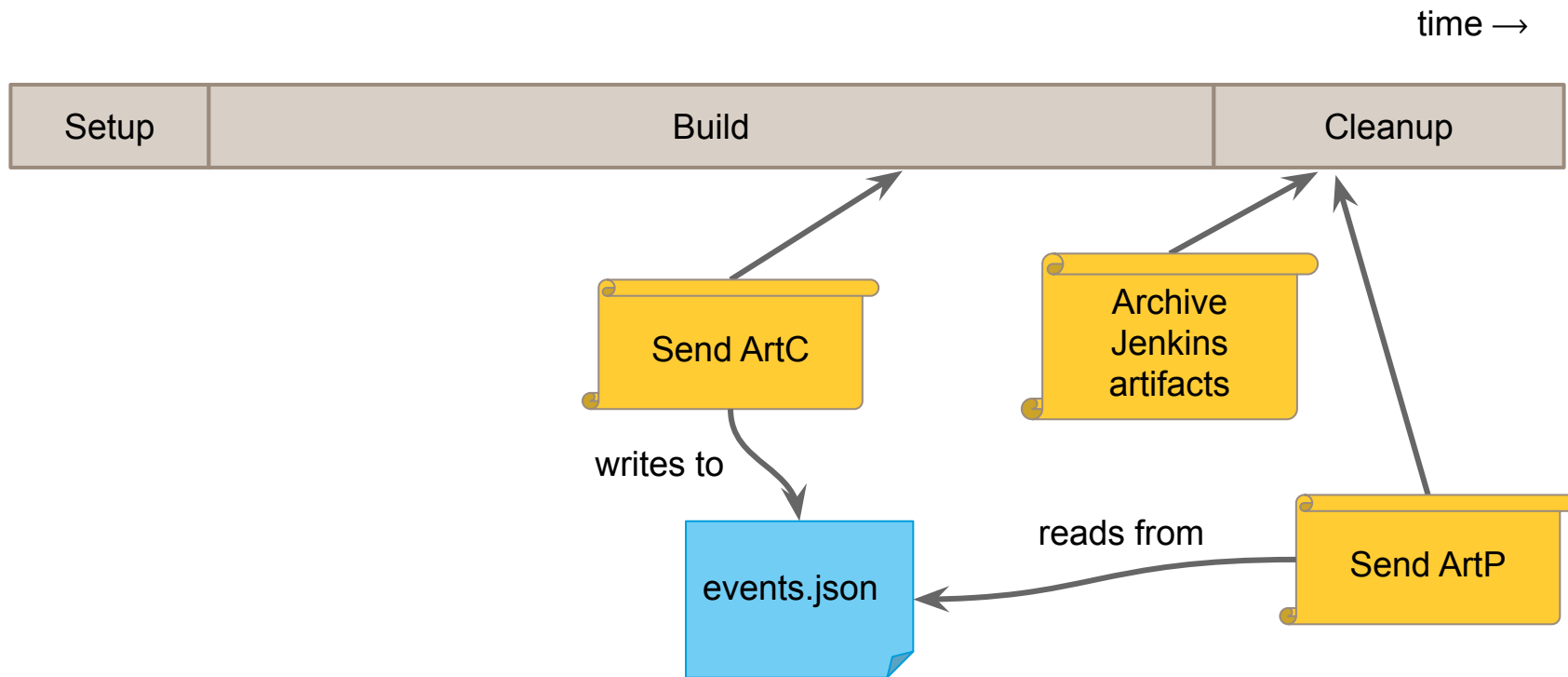
Sending events from Jenkins pipelines

```
def myevent = [  
    "meta": [  
        "type": "EiffelCompositionDefinedEvent",  
        "version": "3.0.0",  
    ],  
    "data": [  
        "name": "my-composition",  
    ],  
]  
def sent = sendEiffelEvent event: myevent  
echo "This event was sent: ${sent}"
```

Publishing Eiffel artifacts from Jenkins builds



Publishing Eiffel artifacts from Jenkins builds



Sending events from Jenkins pipelines

```
# Build code
# Send ArtC and write event payload to events.json

# Time passes by

archiveArtifacts artifacts: '*.tar.gz'

publishEiffelArtifacts artifactEventFiles: 'events.json'
```

Sending events from Jenkins pipelines

```
def artC = [...]  
sendEiffelArtifact event: artC, publishArtifact: true  
  
# Time passes by  
  
archiveArtifacts artifacts: '*.tar.gz'  
  
publishEiffelArtifacts()
```

Assembling purls in Jenkins pipelines

```
def purl = createPackageURL type: 'generic',  
    namespace: 'name/space', name: 'pkgname', version: '1.0'  
  
echo "Here's the resulting purl: ${purl}"
```

