
koji-fedmsg-plugin

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Contents:

1	Build Messages	3
1.1	Python objects	3
1.2	JSON schemas	3
2	Package Messages	5
2.1	Python objects	5
2.2	JSON schemas	5
3	Repo Messages	7
3.1	Python objects	7
3.2	JSON schemas	7
4	RPM Messages	9
4.1	Python objects	9
4.2	JSON schemas	9
5	Tag Messages	15
5.1	Python objects	15
5.2	JSON schemas	15
6	Task Messages	19
6.1	Python objects	19
6.2	JSON schemas	19
7	Indices and tables	23

This project defines *fedora-messages* sent by Fedora's build system koji.

Included in this library are the message schema for those messages, and a handy Python class that can be used to send and receive those messages.

1.1 Python objects

1.2 JSON schemas

1.2.1 buildsys.build.state.change

```
{
  "$id": "/v1/buildsys.build.state.change#",
  "$schema": "https://json-schema.org/draft/2019-09/schema",
  "description": "The state of the build changed.",
  "type": "object",
  "properties": {
    "build_id": {
      "type": [
        "null",
        "integer"
      ],
      "description": "build id"
    },
    "old": {
      "type": "integer",
      "description": "previous state"
    },
    "name": {
      "type": "string",
      "description": "name of the package built"
    },
    "task_id": {
      "type": [
        "null",
        "integer"
      ]
    }
  }
}
```

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```

        ],
        "description": "task id"
    },
    "attribute": {
        "type": "string",
        "description": "attribute"
    },
    "request": {
        "type": [
            "null",
            "array"
        ],
        "description": "build request details",
        "contains": {
            "type": "string"
        }
    },
    "instance": {
        "type": "string",
        "description": "distinguish between messages from primary and secondary_
↪koji"
    },
    "epoch": {
        "type": [
            "null",
            "string",
            "integer"
        ],
        "description": "epoch"
    },
    "version": {
        "type": "string",
        "description": "version of the build"
    },
    "owner": {
        "type": [
            "null",
            "integer",
            "string"
        ],
        "description": "name of the package owner"
    },
    "new": {
        "type": "integer",
        "description": "new state"
    },
    "release": {
        "type": "string",
        "description": "release number of the package"
    }
}

```


2.1 Python objects

2.2 JSON schemas

2.2.1 buildsys.package.list.change

```
{
  "$id": "/v1/buildsys.package.list.change#",
  "$schema": "https://json-schema.org/draft/2019-09/schema",
  "description": "A package list changed.",
  "type": "object",
  "properties": {
    "force": {
      "type": [
        "null",
        "boolean"
      ],
      "description": "force"
    },
    "instance": {
      "type": "string",
      "description": "distinguish between messages from primary and secondary_↵
↪ koji"
    },
    "extra_arches": {
      "type": [
        "null",
        "string"
      ],
      "description": "extra arches"
    }
  },
}
```

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```
"package": {
  "type": "string",
  "description": "name of the package updated"
},
"update": {
  "type": [
    "null",
    "boolean"
  ],
  "description": "update"
},
"owner": {
  "type": [
    "null",
    "string"
  ],
  "description": "name of the package owner"
},
"tag": {
  "type": "string",
  "description": "name of the tag"
},
"action": {
  "type": "string",
  "description": "name of the action"
},
"block": {
  "type": [
    "null",
    "boolean"
  ],
  "description": "block"
}
}
```

3.1 Python objects

3.2 JSON schemas

3.2.1 buildsys.repo.done

```
{
  "$id": "/v1/buildsys.repo.done#",
  "$schema": "https://json-schema.org/draft/2019-09/schema",
  "description": "A package repo task was done.",
  "type": "object",
  "properties": {
    "instance": {
      "type": "string",
      "description": "distinguish between messages from primary and secondary_
↪koji"
    },
    "repo_id": {
      "type": "integer",
      "description": "repo id"
    },
    "tag": {
      "type": "string",
      "description": "tag used to generate the repo"
    },
    "tag_id": {
      "type": "integer",
      "description": "tag id of the tag used to generate the repo"
    }
  }
}
```

3.2.2 buildsys.repo.init

```
{
  "$id": "/v1/buildsys.repo.init#",
  "$schema": "https://json-schema.org/draft/2019-09/schema",
  "description": "A package repo task is initialized.",
  "type": "object",
  "properties": {
    "instance": {
      "type": "string",
      "description": "distinguish between messages from primary and secondary_
↪koji."
    },
    "repo_id": {
      "type": "integer",
      "description": "repo id"
    },
    "tag": {
      "type": "string",
      "description": "tag used to generate the repo"
    },
    "tag_id": {
      "type": "integer",
      "description": "tag id of the tag used to generate the repo"
    }
  }
}
```

4.1 Python objects

4.2 JSON schemas

4.2.1 buildsys.rpm.sign

```
{
  "$id": "/v1/buildsys.rpm.sign#",
  "$schema": "https://json-schema.org/draft/2019-09/schema",
  "description": "An rpm build was signed by the build system.",
  "type": "object",
  "properties": {
    "instance": {
      "type": "string",
      "description": "distinguish between messages from primary and secondary_
↪ koji"
    },
    "sigkey": {
      "type": "string",
      "description": "the signing key"
    },
    "rpm": {
      "type": "object",
      "description": "An rpm build",
      "properties": {
        "build_id": {
          "type": "integer",
          "description": "koji build id"
        },
        "name": {
          "type": "string",
```

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```

        "description": "name of the rpm"
    },
    "extra": {
        "type": [
            "null",
            "string"
        ],
        "description": "extra"
    },
    "arch": {
        "type": "string",
        "description": "build architecture"
    },
    "buildtime": {
        "type": "integer",
        "description": "build timestamp"
    },
    "id": {
        "type": "integer",
        "description": "id"
    },
    "epoch": {
        "type": [
            "null",
            "string",
            "integer"
        ],
        "description": "epoch"
    },
    "version": {
        "type": "string",
        "description": "rpm version"
    },
    "metadata_only": {
        "type": "boolean",
        "description": "metadata only"
    },
    "external_repo_id": {
        "type": "integer",
        "description": "external repo id"
    },
    "release": {
        "type": "string",
        "description": "rpm release number"
    },
    "size": {
        "type": "integer",
        "description": "size"
    },
    "buildroot_id": {
        "type": "integer",
        "description": "buildroot id"
    },
    "external_repo_name": {
        "type": "string",
        "description": "external_repo_name"
    },
    },

```

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```

        "payloadhash": {
            "type": "string",
            "description": "payload hash"
        }
    },
    "build": {
        "type": "object",
        "description": "build details",
        "properties": {
            "cg_id": {
                "type": [
                    "null",
                    "integer",
                    "string"
                ],
                "description": "cg id"
            },
            "package_name": {
                "type": "string",
                "description": "package name"
            },
            "extra": {
                "type": "object",
                "description": "extra",
                "properties": {
                    "source": {
                        "type": "object",
                        "description": "build source",
                        "properties": {
                            "original_url": {
                                "type": "string",
                                "description": "dist git url"
                            }
                        }
                    }
                }
            },
            "creation_time": {
                "type": "number",
                "description": "koji build creation time"
            },
            "completion_time": {
                "type": "number",
                "description": "koji build completion time"
            },
            "package_id": {
                "type": "integer",
                "description": "package id"
            },
            "cg_name": {
                "type": [
                    "null",
                    "integer",
                    "string"
                ],
                "description": "cg name"
            }
        }
    }
}

```

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```

    },
    "id": {
      "type": "integer",
      "description": "id"
    },
    "build_id": {
      "type": "integer",
      "description": "build id"
    },
    "epoch": {
      "type": [
        "null",
        "integer",
        "string"
      ],
      "description": "epoch"
    },
    "source": {
      "type": "string",
      "description": "dist git url"
    },
    "state": {
      "type": "integer",
      "description": "koji build state"
    },
    "version": {
      "type": "string",
      "description": "rpm version"
    },
    "owner_id": {
      "type": "integer",
      "description": "owner id"
    },
    "owner_name": {
      "type": "string",
      "description": "owner name"
    },
    "nvr": {
      "type": "string",
      "description": "rpm name version release"
    },
    "start_time": {
      "type": "integer",
      "description": "build start time"
    },
    "creation_event_id": {
      "type": "integer",
      "description": "creation event id"
    },
    "volume_id": {
      "type": "integer",
      "description": "volume id"
    },
    "creation_ts": {
      "type": "number",
      "description": "creation timestamp"
    },
  },

```

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```
        "name": {
            "type": "string",
            "description": "name"
        },
        "task_id": {
            "type": "integer",
            "description": "koji task id"
        },
        "volume_name": {
            "type": "string",
            "description": "volume name"
        },
        "release": {
            "type": "string",
            "description": "rpm release number"
        }
    },
    "sighash": {
        "type": "string",
        "description": "signing hash"
    }
}
```


5.1 Python objects

5.2 JSON schemas

5.2.1 buildsys.tag

```
{
  "$id": "/v1/buildsys.tag#",
  "$schema": "https://json-schema.org/draft/2019-09/schema",
  "description": "A package is tagged.",
  "type": "object",
  "properties": {
    "build_id": {
      "type": "integer",
      "description": "build id"
    },
    "name": {
      "type": "string",
      "description": "package name"
    },
    "tag_id": {
      "type": "integer",
      "description": "tag id"
    },
    "instance": {
      "type": "string",
      "description": "distinguish between messages from primary and secondary_
↪ koji"
    },
    "tag": {
      "type": "string",
```

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```

        "description": "name of the tag"
    },
    "user": {
        "type": "string",
        "description": "name of the user that trigger the build"
    },
    "version": {
        "type": "string",
        "description": "version of the build"
    },
    "owner": {
        "type": "string",
        "description": "name of the package owner"
    },
    "release": {
        "type": "string",
        "description": "release number of the package"
    }
}

```

5.2.2 buildsys.untag

```

{
    "$id": "/v1/buildsys.untag#",
    "$schema": "https://json-schema.org/draft/2019-09/schema",
    "description": "A package is untagged.",
    "type": "object",
    "properties": {
        "build_id": {
            "type": "integer",
            "description": "build id"
        },
        "name": {
            "type": "string",
            "description": "package name"
        },
        "tag_id": {
            "type": "integer",
            "description": "tag id"
        },
        "instance": {
            "type": "string",
            "description": "distinguish between messages from primary and secondary_
↪ koji"
        },
        "tag": {
            "type": "string",
            "description": "name of the tag"
        },
        "user": {
            "type": "string",
            "description": "name of the user that trigger the build"
        },
        "version": {

```

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```
        "type": "string",
        "description": "version of the build"
    },
    "owner": {
        "type": "string",
        "description": "name of the package owner"
    },
    "release": {
        "type": "string",
        "description": "release number of the package"
    }
}
```


6.1 Python objects

6.2 JSON schemas

6.2.1 buildsys.task.state.change

```
{
  "$id": "/v1/buildsys.task.state.change#",
  "$schema": "https://json-schema.org/draft/2019-09/schema",
  "description": "A koji task state changed.",
  "type": "object",
  "properties": {
    "info": {
      "type": "object",
      "description": "task info",
      "properties": {
        "parent": {
          "type": [
            "null",
            "array"
          ],
          "description": "parent tasks"
        },
        "completion_time": {
          "type": "number",
          "description": "completion time"
        },
        "start_time": {
          "type": "number",
          "description": "start time"
        }
      }
    }
  }
}
```

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```

"request": {
  "type": [
    "null",
    "array"
  ],
  "description": "task request details",
  "contains": {
    "type": "string"
  }
},
"waiting": {
  "type": "boolean",
  "description": "Is the task waiting or not"
},
"awaited": {
  "type": "null",
  "description": "awaited"
},
"id": {
  "type": "integer",
  "description": "id"
},
"priority": {
  "type": "integer",
  "description": "priority"
},
"channel_id": {
  "type": "integer",
  "description": "channel_id"
},
"state": {
  "type": "integer",
  "description": "task state"
},
"create_time": {
  "type": "number",
  "description": "create time"
},
"result": {
  "type": "null",
  "description": "result"
},
"owner": {
  "type": [
    "null",
    "string",
    "integer"
  ],
  "description": "owner name or id"
},
"host_id": {
  "type": "integer",
  "description": "host id"
},
"method": {
  "type": "string",
  "description": "task method"
}

```

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```

        },
        "label": {
            "type": "null",
            "description": "label"
        },
        "arch": {
            "type": "string",
            "description": "task specific architecture"
        },
        "children": {
            "type": [
                "null",
                "array"
            ],
            "description": "task childrens"
        }
    },
    "old": {
        "type": "string",
        "description": "previous task state"
    },
    "attribute": {
        "type": "string",
        "description": "attribute"
    },
    "id": {
        "type": "integer",
        "description": "task id"
    },
    "instance": {
        "type": "string",
        "description": "distinguish between messages from primary and secondary_
→koji"
    },
    "owner": {
        "type": "string",
        "description": "name of the package owner"
    },
    "new": {
        "type": "string",
        "description": "name of the new task state"
    },
    "srpm": {
        "type": "string",
        "description": "name of the source rpm"
    },
    "method": {
        "type": "string",
        "description": "name of the task method"
    }
}

```


CHAPTER 7

Indices and tables

- `genindex`
- `modindex`
- `search`