## linux-def:systemdunitproperty\_test

The systemdunitproperty\_test is used to retrieve information about systemd units in form of properties. For more information see the output generated by systemctl show $unit. It extends the standard TestType as defined in the oval-definitions-schema and one should refer to the TestType description for more information. The required object element references a systemdunitproperty\_object and the optional state element specifies the data to check.

### Known Supported Platforms

* Red Hat Enterprise Linux 7
* Fedora 19
* Fedora 20

## linux-def:systemdunitproperty\_object

The systemdunitproperty\_object element is used by a systemdunitproperty\_test to define the specific unit and property combination to be evaluated. Each object extends the standard ObjectType as defined in the oval-definitions-schema and one should refer to the ObjectType description for more information. The common set element allows complex objects to be created using filters and set logic. Again, please refer to the description of the set element in the oval-definitions-schema.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Property** | **Type** | **Multiplicity** | **Nillable** | **Description** |
| **set** | oval-def:set | 0..1 | false | Enables the expression of complex systemdunitproperty\_objects that are the result of logically combining and filtering.  Please see the OVAL Language Specification for additional information. |
| **unit** | oval-def:  EntityObjectStringType | 0..1 | false | The unit entity refers to the full systemd unit name, which has a form of "$name.$type". For example "cupsd.service". This name is usually also the filename of the unit configuration file located in the /etc/systemd/ and /usr/lib/systemd/ directories. |
| **property** | oval-def:  EntityObjectStringType | 0..1 | false | The name of the property associated with a systemd unit. If not specified, all properties are queried. |
| **filter** | oval-def:filter | 0..\* | false | Allows for the explicit inclusion or exclusion of systemdunitproperty\_items from the set of systemdunitproperty\_items collected by a systemdunitproperty\_object.  Please see the OVAL Language Specification [2] for additional information. |

## linux-def:systemdunitproperty\_state

The systemdunitproperty\_state element holds information about properties of a specific systemd unit. Please refer to the individual elements in the schema for more details about what each represents.

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| --- | --- | --- | --- | --- |
| **Property** | **Type** | **Multiplicity** | **Nillable** | **Description** |
| **unit** | oval-def:  EntityStateStringType | 0..1 | false | The unit entity refers to the full systemd unit name, which has a form of "$name.$type". For example "cupsd.service". This name is usually also the filename of the unit configuration file located in the /etc/systemd/ and /usr/lib/systemd/ directories. |
| **property** | oval-def:  EntityStateStringType | 0..1 | false | The name of the property associated with a systemd unit. |
| **value** | oval-def:  EntityStateAnySimpleType | 0..1 | false | The value of the property associated with a systemd unit. |

## linux-def:systemdunitproperty\_item

This item stores the properties and values of a systemd unit.

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| --- | --- | --- | --- | --- |
| **Property** | **Type** | **Multiplicity** | **Nillable** | **Description** |
| **unit** | oval-def:  EntityItemStringType | 0..1 | false | The unit entity refers to the full systemd unit name, which has a form of "$name.$type". For example "cupsd.service". This name is usually also the filename of the unit configuration file located in the /etc/systemd/ and /usr/lib/systemd/ directories. |
| **property** | oval-def:  EntityItemStringType | 0..1 | false | The name of the property associated with a systemd unit. |
| **Value** | oval-def:  EntityItemAnySimpleType | 0..\* | false | The value of the property associated with a systemd unit.  Exactly one value shall be used for all property types except dbus arrays - each array element shall be represented by one value. |

## linux-def:systemdunitdependency\_test

The systemdunitdependency\_test is used to retrieve information about dependencies of a single systemd unit in the form of a list. This list contains all dependencies, including transitive dependencies. For more information see the output generated by systemctl list-dependencies --plain $unit. It extends the standard TestType as defined in the oval-definitions-schema and one should refer to the TestType description for more information. The required object element references a systemdunitdependency\_object and the optional state element specifies the data to check.

At first glance it may seem that this test is not necessary. However, systemdunitdependency\_test cannot be easily replaced with systemdunitproperty\_test. The semantics of transitive dependencies are not trivial to replicate with the property test and OVAL features.

### Known Supported Platforms

* Red Hat Enterprise Linux 7
* Fedora 19
* Fedora 20

## linux-def:systemdunitdependency\_object

The systemdunitdependency\_object element is used by a systemdunitdependency\_test to define the specific units to check the dependencies of. Each object extends the standard ObjectType as defined in the oval-definitions-schema and one should refer to the ObjectType description for more information. The common set element allows complex objects to be created using filters and set logic. Again, please refer to the description of the set element in the oval-definitions-schema.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Property** | **Type** | **Multiplicity** | **Nillable** | **Description** |
| **set** | oval-def:set | 0..1 | false | Enables the expression of complex systemdunitproperty\_objects that are the result of logically combining and filtering.  Please see the OVAL Language Specification for additional information. |
| **unit** | oval-def:  EntityObjectStringType | 0..1 | false | The unit entity refers to the full systemd unit name, which has a form of "$name.$type". For example "cupsd.service". This name is usually also the filename of the unit configuration file located in the /etc/systemd/ and /usr/lib/systemd/ directories. |
| **filter** | oval-def:filter | 0..\* | false | Allows for the explicit inclusion or exclusion of systemdunitdependency\_items from the set of systemdunitdependency\_items collected by a systemdunitdependency\_object.  Please see the OVAL Language Specification [2] for additional information. |

## linux-def:systemdunitdependency\_state

The systemdunitdependency\_state element holds dependencies of a specific systemd unit. Please refer to the individual elements in the schema for more details about what each represents.

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| --- | --- | --- | --- | --- |
| **Property** | **Type** | **Multiplicity** | **Nillable** | **Description** |
| **unit** | oval-def:  EntityStateStringType | 0..1 | false | The unit entity refers to the full systemd unit name, which has a form of "$name.$type". For example "cupsd.service". This name is usually also the filename of the unit configuration file located in the /etc/systemd/ and /usr/lib/systemd/ directories. |
| **dependency** | oval-def:  EntityStateStringType | 0..1 | false | The dependency entity refers to the name of a unit that was confirmed to be a dependency of the given unit |

## linux-def:systemdunitdependency\_item

This item stores the dependencies of the systemd unit. Please refer to the individual elements in the schema for more details about what each represents.

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| --- | --- | --- | --- | --- |
| **Property** | **Type** | **Multiplicity** | **Nillable** | **Description** |
| **unit** | oval-def:  EntityItemStringType | 0..1 | false | The unit entity refers to the full systemd unit name, which has a form of "$name.$type". For example "cupsd.service". This name is usually also the filename of the unit configuration file located in the /etc/systemd/ and /usr/lib/systemd/ directories. |
| **dependency** | oval-def:  EntityItemStringType | 0..\* | false | The dependency entity refers to the name of a unit that was confirmed to be a dependency of the given unit. |