

# ctys-machine-states(7)

Definition of the runtime states of plugins, VMs, and PMs

September 29, 2020

## Contents

<b>1</b>	<b>General</b>	<b>2</b>
<b>2</b>	<b>Attribute Values</b>	<b>2</b>
<b>3</b>	<b>SEE ALSO</b>	<b>4</b>
<b>4</b>	<b>AUTHOR</b>	<b>4</b>
<b>5</b>	<b>COPYRIGHT</b>	<b>4</b>

## List of Figures

## 1 General

This document describes the current available machine states for PMs and VMs, which are mainly persistent states and thus utilized during collection and storage of inventory data by call of ' **ctys -a ENUMERATE=...** '.

The data for dynamic plugins, which are almost stateless, at least volatile only, is used for the availability of the applications at the user interface only. Therefore each plugin has an ENABLING attribute, which suppresses the load of the deactivated plugin when set. These have some dependencies due to multiple usage of some plugin for others, e.g. CONSOLES, which are used for almost all other plugins.

## 2 Attribute Values

The following generic attributes are provided for the management of entities.

- **ALL**  
Ignores the actual availability of a specific hypervisor. This is convenient for test environments, where the hypervisor on a machine is exchanged frequently.
- **ACTIVE**  
Active, available for execution. This is the configuration file is present, and statically enabled by the VMSTATE attribute.
- **BACKUP**  
Backup, not available for execution.
- **CUSTOM**  
Custom state, available for execution.
- **DISABLED**  
Disabled, not available for execution.
- **EMPTY**  
Empty, available for execution.
- **ENABLED**  
Active and executable by actually available hypervisor. This is the present ACTIVE state and the operational and ENABLED presence of the hypervisor in SERVER mode.
- **IGNORE**  
Ignored, not available for execution.
- **PRESENT**  
Present, not available for execution.
- **TEMPLATE**  
Template, not available for execution.
- **TESTDUMMY**  
Test, available for execution.

The next table depicts the applicability of the previous attributes. When the semantics is different for various contexts the explanation is provided.

Attribute Value	HOSTs	VMs	PMs
ALL	x	x	x
ACTIVE	x	x	x
BACKUP	x	x	x
CUSTOM	x	x	x
DISABLED	x	x	-
EMPTY	x	x	-
ENABLED	x	x	x
IGNORE	x	x	x
PRESENT	x	x	x
TEMPLATE	x	x	x
TESTDUMMY	x	x	x

Table 1: Runtime state attributes

**HOSTs:** CLI, RDP, VNC, X11  
**VMs:** QEMU/KVM, VBOX, VMW, XEN  
**PMs:** PM

### 3 SEE ALSO

*UserManual* , *CommandReference* , *HowTo*

*ctys*<ENUMERATE>(1) , *ctys-vhost*(1)

### 4 AUTHOR

Arno-Can Uestuensoez <<https://arnocan.wordpress.com/>>  
<<https://unifiedsessionsmanager.sourceforge.io/>>  
<<https://github.com/unifiedsessionsmanager>>



### 5 COPYRIGHT

Copyright (C) 2008, 2009, 2010, 2011, 2020 Ingenieurbuero Arno-Can Uestuensoez  
For BASE package following licenses apply,

- for software see GPL3 for license conditions,
- for documents see GFDL-1.3 with invariant sections for license conditions,

This document is part of the **DOC package**,

- for documents and contents from DOC package see  
'**Creative-Common-Licence-3.0 - Attrib: Non-Commercial, Non-Deriv**'  
with optional extensions for license conditions.

For additional information refer to enclosed Releasenotes and License files.

