

OTP_Mibs

Copyright © 2003-2018 Ericsson AB. All Rights Reserved.

OTP_Mibs 1.1.2

December 18, 2018

Copyright © 2003-2018 Ericsson AB. All Rights Reserved.
Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License. Ericsson AB. All Rights Reserved..

December 18, 2018

1 OTP_Mibs User's Guide

The **OTP_Mibs** application provides an SNMP management information base for Erlang nodes.

1.1 Introduction

1.1.1 Purpose

The purpose of the OTP_Mibs application is to provide an SNMP management information base for Erlang nodes.

1.1.2 Pre-requisites

It is assumed that the reader is familiar with the Erlang programming language, concepts of OTP and has a basic knowledge of SNMP.

1.2 Mibs

1.2.1 Structure

The OTP mibs are stored in the `$OTP_ROOT/lib/otp_mibs/mibs/` directory. They are defined in SNMPv2 SMI syntax. An SNMPv1 version of the mib is delivered in the `mibs/v1` directory. The compiled MIB is located under `priv/mibs`, and the generated `.hrl` file under the `include` directory. To compile a MIB that IMPORTS a MIB in the OTP_Mibs application, give the option `{il, ["otp_mibs/priv/mibs"]}` to the MIB compiler.

1.2.2 OTP-MIB

The OTP-MIB mib represents information about Erlang nodes such as node name, number of running processes, virtual machine version etc. If the MIB should be used in a system, it should be loaded into an SNMP agent by using the API function `otp_mib:load/1`.

1.2.3 OTP-REG

The OTP-REG mib defines the unique OTP subtree of object identifiers under the Ericsson subtree. Under the OTP subtree several object identifiers are defined. This module is typically included by OTP applications defining their own mibs, or ASN.1 modules in general, that require unique object identifiers under the OTP subtree.

1.2.4 OTP-TC

The OTP-TC mib provides the textual convention datatype `OwnerString`.

2 Reference Manual

The **OTP_Mibs** application provides an SNMP management information base for Erlang nodes.

otp_mib

Erlang module

The SNMP application should be used to start an SNMP agent. Then the API functions below can be used to load/unload the OTP-MIB into/from the agent. The instrumentation of the OTP-MIB uses Mnesia, hence Mnesia must be started prior to loading the OTP-MIB.

Exports

`load(Agent) -> ok | {error, Reason}`

Types:

```
Agent = pid() | atom()
Reason = term()
```

Loads the OTP-MIB.

`unload(Agent) -> ok | {error, Reason}`

Types:

```
Agent = pid() | atom()
Reason = term()
```

Unloads the OTP-MIB.

See Also

snmp(3)