

How to add row to a table?

This page describes how rows with SNMP values can be added to a SNMP4J-Agent table.

To add a row to a DefaultMOTable

1. Make sure that the MOTableModel used by the table is an instance of the MutableMOTableModel.
2. Create the row values as an array of Variable instances:

```
Variable[] com2secValues = new Variable[] {  
    new OctetString("public"),           // community name  
    new OctetString("publicSecName"),     // security name  
    getAgent().getContextEngineID(),      // local engine ID  
    new OctetString(""),                // default context name  
    new OctetString(),                  // transport tag  
    new Integer32(StorageType.nonVolatile), // storage type  
    new Integer32(RowStatus.active)       // row status  
};
```

3. Let the SNMP4J-Agent API create a new row based on the provided values and the index sub-OID for the new row. The new will be created by the MOTableRowFactory assigned to MOMutableTableModel of the snmpCommunityTable. If the row factory is not set (for example to a DefaultMOFactory instance) then an exception will be thrown:

```
MOTableRow newRow = snmpCommunityTable.createRow(new OctetString("public").toSubIndex(true),  
com2secValues);
```

4. Add the newly created row to the table:

```
((MOMutableTableModel)snmpCommunityTable.getModel()).addRow(newRow);
```

Related articles

- [How-to use your own MOColumn subclasses to control column behaviour of tables](#)
- [How to add row to a table?](#)