# MySQL Cluster Manager 1.2 Release Notes

#### **Abstract**

This document contains information about changes in successive versions of MySQL Cluster Manager 1.2, starting with the most recent release (MySQL Cluster Manager 1.2.4). Changes in previous MySQL Cluster Manager releases can be found afterwards, ordered from newest to oldest.

For additional MySQL Cluster Manager 1.2 documentation, see http://dev.mysql.com/doc/mysql-cluster-manager/1.2/en/.

Updates to these notes occur as new product features are added, so that everybody can follow the development process. If a recent version is listed here that you cannot find on the download page (http://dev.mysql.com/downloads/), the version has not yet been released.

The documentation included in source and binary distributions may not be fully up to date with respect to release note entries because integration of the documentation occurs at release build time. For the most up-to-date release notes, please refer to the online documentation instead.

For legal information, see the Legal Notices.

For help with using MySQL, please visit either the MySQL Forums or MySQL Mailing Lists, where you can discuss your issues with other MySQL users.

For additional documentation on MySQL products, including translations of the documentation into other languages, and downloadable versions in variety of formats, including HTML and PDF formats, see the MySQL Documentation Library.

Document generated on: 2016-05-13 (revision: 8880)

### **Table of Contents**

| Preface and Legal Notices                             | 1 |
|---|---|
| Changes in MySQL Cluster Manager 1.2.4 (2013-06-27)   | 3 |
| Changes in MySQL Cluster Manager 1.2.3 (2013-04-30)   | 3 |
| Changes in MySQL Cluster Manager 1.2.2 (2013-01-07)   | 4 |
| Changes in MySQL Cluster Manager 1.2.1 (2012-12-13)   | 4 |
| Changes in MySQL Cluster Manager 1.2.0 (Not released) | 5 |

# **Preface and Legal Notices**

This document contains information about changes in successive versions of MySQL Cluster Manager 1.2, starting with the most recent release (MySQL Cluster Manager 1.2.4). Changes in previous MySQL Cluster Manager releases can be found afterwards, ordered from newest to oldest.

## **Legal Notices**

Copyright © 2009, 2014, Oracle and/or its affiliates. All rights reserved.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

### **Documentation Accessibility**

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at

http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

#### Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit

http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs if you are hearing impaired.

This documentation is NOT distributed under a GPL license. Use of this documentation is subject to the following terms:

You may create a printed copy of this documentation solely for your own personal use. Conversion to other formats is allowed as long as the actual content is not altered or edited in any way. You shall not publish or distribute this documentation in any form or on any media, except if you distribute the documentation in a manner similar to how Oracle disseminates it (that is, electronically for download on a Web site with the software) or on a CD-ROM or similar medium, provided however that the documentation is disseminated together with the software on the same medium. Any other use, such as any dissemination of printed copies or use of this documentation, in whole or in part, in another publication, requires the prior written consent from an authorized representative of Oracle. Oracle and/ or its affiliates reserve any and all rights to this documentation not expressly granted above.

# Changes in MySQL Cluster Manager 1.2.4 (2013-06-27)

This section documents all changes and bug fixes that have been applied in MySQL Cluster Manager 1.2.4 since the release of MySQL Cluster Manager version 1.2.3.

- · Functionality Added or Changed
- Bugs Fixed

### **Functionality Added or Changed**

- Important Change; Agent: The default user name for MySQL Cluster Manager MySQL user accounts has been changed from admin to mcmd. See Setting the MySQL Cluster Manager Agent User Name and Password. (Bug #16476206)
- Packaging: MySQL Cluster Manager now supports MySQL Cluster NDB 7.3. MySQL Cluster NDB 7.3.2 is included with the MySQL Cluster Manager 1.2.4 distribution. See MySQL Cluster NDB 7.3 and MySQL Cluster NDB 7.4, for more information.
- Client: The restore cluster command now supports restoring MySQL Cluster distributed privileges, using the --privilege-tables option added in this release. In addition, it is now possible to use IDs of SQL nodes as well as data nodes with the --skip-nodeid option. (Bug #16710567)

#### **Bugs Fixed**

- Packaging: Shortcuts added to the Windows Start menu by the MySQL Manager installer sometimes pointed to the wrong location. (Bug #16781988)
- Agent: Some Boolean configuration attributes were not handled correctly when set to false, with only the name of the attribute being written into the configuration file. (Bug #16883136)
- Client: When binary logging was disabled using reset log\_bin ..., the get command returned hostname-bin for the value of log\_bin, while SHOW VARIABLES in the mysql client showed OFF for the same variable. As part of this fix, MySQL Cluster Manager now sets log\_bin to OFF by default, rather than to hostname-bin. (Bug #16392933)

# Changes in MySQL Cluster Manager 1.2.3 (2013-04-30)

This section documents all changes and bug fixes that have been applied in MySQL Cluster Manager 1.2.3 since the release of MySQL Cluster Manager version 1.2.2.

- Functionality Added or Changed
- Bugs Fixed

### **Functionality Added or Changed**

• Important Change; Packaging: The directory structure of the MySQL Cluster Manager distribution archive has changed. The top level within the archive now contains a single directory named mcm-x.y.z, where x.y.z is the version number of the current release. The former top-level directories such as bin, libexec, and etc are now found within this mcm-x.y.z directory.

For more information, see Installing MySQL Cluster Manager on Unix Platforms.

### **Bugs Fixed**

- Important Change; Agent: The default location for the agent data directory has been changed to / opt/mcm\_data. (Bug #16521396)
- Important Change; Agent: MySQL Cluster Manager did not support many of the changes in, additions to, or removal of mysqld configuration attributes in MySQL Server 5.6 and MySQL Cluster

NDB 7.3. The agent now knows about these changes. For information about these changes from MySQL 5.5 and MySQL Cluster NDB 7.2, see What Is New in MySQL 5.6.



#### Note

MySQL Cluster NDB 7.3.1 is currently available as a Developer Milestone Release; for more information, see MySQL Cluster NDB 7.3 and MySQL Cluster NDB 7.4.

(Bug #16392969)

- Agent: mcmd sometimes failed to restart when the host system was restarted. (Bug #16292852)
- Agent: By default, the tmpdir for mysqld processes was set to datadir/tmp, which caused it to be treated as a database by the mysql client. Now the tmp directory in the MySQL installation directory is used by default. (Bug #16010476)
- Client: mcm client commands that failed due to the presence of extraneous characters following short
  options did so with no information about the cause. Now in such cases, a specific error message is
  issued in the client. (Bug #16084783)
- Client: The mcm client set command tried to handle values passed with the slave\_skip\_errors configuration attribute as wrong type (as booleans rather than strings), and failed.
- Client: The backup cluster command timed out when used with a cluster whose name contained exactly 8 bytes.

# Changes in MySQL Cluster Manager 1.2.2 (2013-01-07)

This section documents all changes and bug fixes that have been applied in MySQL Cluster Manager 1.2.2 since the release of MySQL Cluster Manager version 1.2.1.

- Functionality Added or Changed
- Bugs Fixed

#### **Functionality Added or Changed**

 The version of the MySQL Cluster software included with the MySQL Cluster Manager distribution has been updated to MySQL Cluster NDB 7.2.10. For more information, see Changes in MySQL Cluster NDB 7.2.10 (5.5.29-ndb-7.2.10) (2013-01-02).

#### **Bugs Fixed**

 Agent: When used with a cluster containing a large number of data nodes and few API slots available, the restore cluster command could time out instead of returning. (See The restore cluster Command.) (Bug #15983543)

## Changes in MySQL Cluster Manager 1.2.1 (2012-12-13)

This section documents all changes and bug fixes that have been applied in MySQL Cluster Manager 1.2.1 since the release of MySQL Cluster Manager version 1.2.0.

#### **Bugs Fixed**

- Agent: A cluster having an api process with a nonexistent host name could not be started.
   Following an attempt to do so, the host name could not be changed, nor the process removed.
   This situation is now prevented from occurring; if add process cannot resolve a host name, the command fails with an appropriate error message. (Bug #15870901)
- **Agent:** In some cases, MySQL Cluster management nodes appeared to hang on shutdown, and MySQL Cluster Manager's connection to it was left open. (Bug #13990350)

References: See also: Bug #14730537.

# **Changes in MySQL Cluster Manager 1.2.0 (Not released)**

This section documents all changes and bug fixes that have been applied in MySQL Cluster Manager 1.2.0 since the release of MySQL Cluster Manager version 1.1.6.

Version 1.2.0 has no changelog entries, or they have not yet been published because the product version has not yet been released.

