



Oracle ZFS Storage Appliance data collector

Cloud Insights

Tony Lavoie
February 14, 2020

This PDF was generated from https://docs.netapp.com/us-en/cloudinsights/task_dc_oracle_zfs.html on April 25, 2020. Always check docs.netapp.com for the latest.

Table of Contents

- Oracle ZFS Storage Appliance data collector 1
 - Terminology..... 1
 - Requirements 1
 - Configuration..... 1
 - Advanced configuration..... 2
 - Troubleshooting..... 2

Oracle ZFS Storage Appliance data collector

Cloud Insights uses the Oracle ZFS Storage Appliance data collector to gather inventory and performance data.

Terminology

Cloud Insights acquires inventory information with the ceph data collector. For each asset type acquired by Cloud Insights, the most common terminology used for this asset is shown. When viewing or troubleshooting this data collector, keep the following terminology in mind:

Vendor/Model Term	Cloud Insights Term
Disk (SSD)	Disk
Cluster	Storage
Controller	Storage Node
LUN	Volume
LUN Map	Volume Map
Initiator,Target	Volume Mask
Share	Internal Volume

Note: These are common terminology mappings only and might not represent every case for this data source.

Requirements

- Host names for the ZFS Controller-1 and the ZFS Controller-2
- Administrator user name and password
- Port requirement: 215 HTTP/HTTPS

Configuration

Field	Description
ZFS Controller-1 Hostname	Host name for storage controller 1
ZFS Controller-2 Hostname	Host name for storage controller 2
User name	User name for the storage system administrator user account
Password	Password for the administrator user account

Advanced configuration

Field	Description
Connection Type	HTTPS or HTTP, also displays the default port
Override Connection Port	If blank, use the default port in the Connection Type field, otherwise enter the connection port to use
Inventory poll interval	The default is port 60 seconds
Performance Poll Interval (sec)	The default is 300.

Troubleshooting

Some things to try if you encounter problems with this data collector:

Inventory

Problem:	Try this:
"Invalid login credentials"	validate Zfs user account and password
"Configuration error" with error message "REST Service is disabled"	Verify REST service is enabled on this device.
"Configuration error " with error message "User unauthorized for command"	<p>Likely due to certain roles (for example, 'advanced_analytics') are not included for the configured user <userName>.</p> <p>Possible Solution:</p> <ul style="list-style-type: none">* Correct the Analytics (statistic) scope for the user \${user} with the read only role:- From the Configuration → Users screen, put your mouse over the role and double click to allow editing- Select "Analytics" from the Scope drop down menu. A list of the possible properties appears.- Click the top most check box and it will select all three properties.- Click the Add button on the right side.- Click the Apply button at the top right of the pop-up window. The pop-up window will close.

Additional information may be found from the [Support](#) page or in the [Data Collector Support Matrix](#).

Copyright Information

Copyright © 2019–2020 NetApp, Inc. All rights reserved. Printed in the U.S. No part of this document covered by copyright may be reproduced in any form or by any means-graphic, electronic, or mechanical, including photocopying, recording, taping, or storage in an electronic retrieval system-without prior written permission of the copyright owner.

Software derived from copyrighted NetApp material is subject to the following license and disclaimer:

THIS SOFTWARE IS PROVIDED BY NETAPP “AS IS” AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL NETAPP BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

NetApp reserves the right to change any products described herein at any time, and without notice. NetApp assumes no responsibility or liability arising from the use of products described herein, except as expressly agreed to in writing by NetApp. The use or purchase of this product does not convey a license under any patent rights, trademark rights, or any other intellectual property rights of NetApp.

The product described in this manual may be protected by one or more U.S. patents, foreign patents, or pending applications.

RESTRICTED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.277-7103 (October 1988) and FAR 52-227-19 (June 1987).

Trademark Information

NETAPP, the NETAPP logo, and the marks listed at <http://www.netapp.com/TM> are trademarks of NetApp, Inc. Other company and product names may be trademarks of their respective owners.