



Troubleshooting Application Issues

Virtual Desktop Service

Toby vanRoojen
December 02, 2020

This PDF was generated from https://docs.netapp.com/us-en/virtual-desktop-service/Troubleshooting.application_issues.html on December 18, 2020. Always check docs.netapp.com for the latest.

Table of Contents

- Troubleshooting Application Issues 1
 - Overview 1
 - Reviewing Your Tools 1

Troubleshooting Application Issues

Overview

Troubleshooting an application error is a common administrative practice that doesn't involve VDS itself, but is greatly assisted by VDS and the level of control it provides administrators. While NetApp VDS does not troubleshoot these issues for Customers, our experience allows us to advise administrators after identifying some basic information like the following in order to dig deeper and troubleshoot with end users and/or third parties.

- Name of the user experiencing the issue
- Name of the application the user was working with
- The server the user's session was on
- Steps to reproduce the issue

Reviewing Your Tools

Monitoring

After identifying the server the User was using, check your monitoring solution to validate that resource (CPU and RAM) consumption is within normal levels. You can also validate that application-specific requirements (a special service that will cause issues if it isn't running) are functional. In situations like this, advanced settings like up/down monitoring of said services may have been triggered.

Anti-Virus

As an administrator with access to both the servers and Azure Active Directory, you have access to review what has been discovered and what policies are set. In the event something unforeseen is present, it could be affecting your application.

Additional Tools

Some applications require additional components, like a service account that remains logged in indefinitely or a VPN to a piece of physical equipment (say, an on-site network appliance or a piece of manufacturing equipment or diagnostic utility). In these situations, application-specific errors may be caused by something other than the way the application was installed or how its settings are configured.

Extending Access to Third Parties

Applications and/or their databases are often installed, configured and supported by either the software vendor (ISV) themselves or a third party expert in that software's configuration, management and integrations. In these situations you will want to extend temporary administrative access to a these steps: [Providing Temporary Access to 3rd Parties](#)

It is a best practice to shut down these third party accounts after the upgrade or update is completed or after the issue is resolved.

In many cases, this level of troubleshooting will require that a software maintenance contract with the ISV. If this is not in place, the ISV may not assist you until this is in place.



It is also possible that the troubleshooting issue could be related to the hardware (desktops, laptops, thin clients, etc.) end users are working with. An example could be that upgrading a user's laptop could lock the machine in the eyes of a thin client configuration file, meaning that end users cannot access the tools that allow them to log into their virtual desktop. In this case, a maintenance contract for hardware may be required before the manufacturer will assist you.

Copyright Information

Copyright © 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.