



•rayNET



RayVentory

Smarter Software and Hardware Inventory

Quick Guide RayVentory - Disable FIPS

Date: 24.08.2015

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RayVentory is part of RaySuite.

Quick Guide RayVentory - FIPS

This guide is designed to configure your RayVentory server in a FIPS Environment.

Original Microsoft Summary

The United States Federal Information Processing Standard (FIPS) defines security and interoperability requirements for computer systems that are used by the U.S. federal government. The FIPS 140 standard defines approved cryptographic algorithms. The FIPS 140 standard also sets forth requirements for key generation and for key management. The National Institute of Standards and Technology (NIST) uses the Cryptographic Module Validation Program (CMVP) to determine whether a particular implementation of a cryptographic algorithm is compliant with the FIPS 140 standard. An implementation of a cryptographic algorithm is considered FIPS 140-compliant only if it has been submitted for and has passed NIST validation. An algorithm that has not been submitted cannot be considered FIPS-compliant even if the implementation produces identical data as a validated implementation of the same algorithm.

Source: <https://support.microsoft.com/en-us/kb/811833>

The Administration Server will not work correctly as long FIPS is enabled . Nevertheless FIPS is not recommend anymore.

Source: <http://blogs.technet.com/b/secguide/archive/2014/04/07/why-we-re-not-recommending-fips-mode-anymore.aspx>

Before you proceed

This guide assumes:

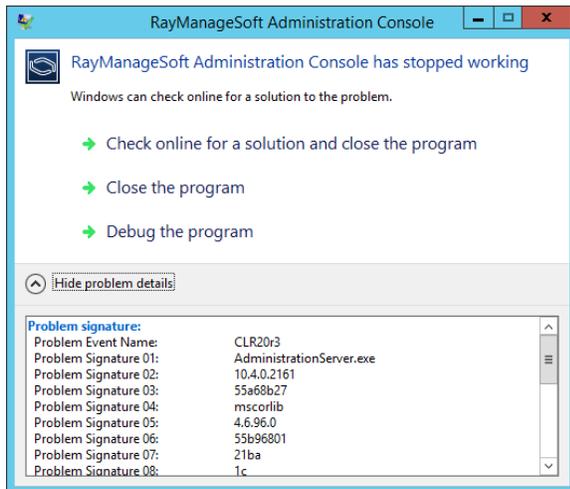
- The RayManageSoft Administration Server is already setup and preconfigured.
- You are familiar to the local and/or global security policy management for Microsoft Windows.

The RayVentory release notes and full-size documentation are available in addition to this document.



I. Purpose

As long as FIPS is enabled the RayManageSoft Administration Server Application will not start. The following error occur on start of the console:



Problem signature:

Problem Event Name: CLR20r3

Problem Signature 01: AdministrationServer.exe

Problem Signature 02: 10.4.0.2161

Problem Signature 03: 55a68b27

Problem Signature 04: mscorlib

Problem Signature 05: 4.6.96.0

Problem Signature 06: 55b96801

Problem Signature 07: 21ba

Problem Signature 08: 1c

Problem Signature 09:

System.InvalidOperationException ...

Close the problem message and disable FIPS.

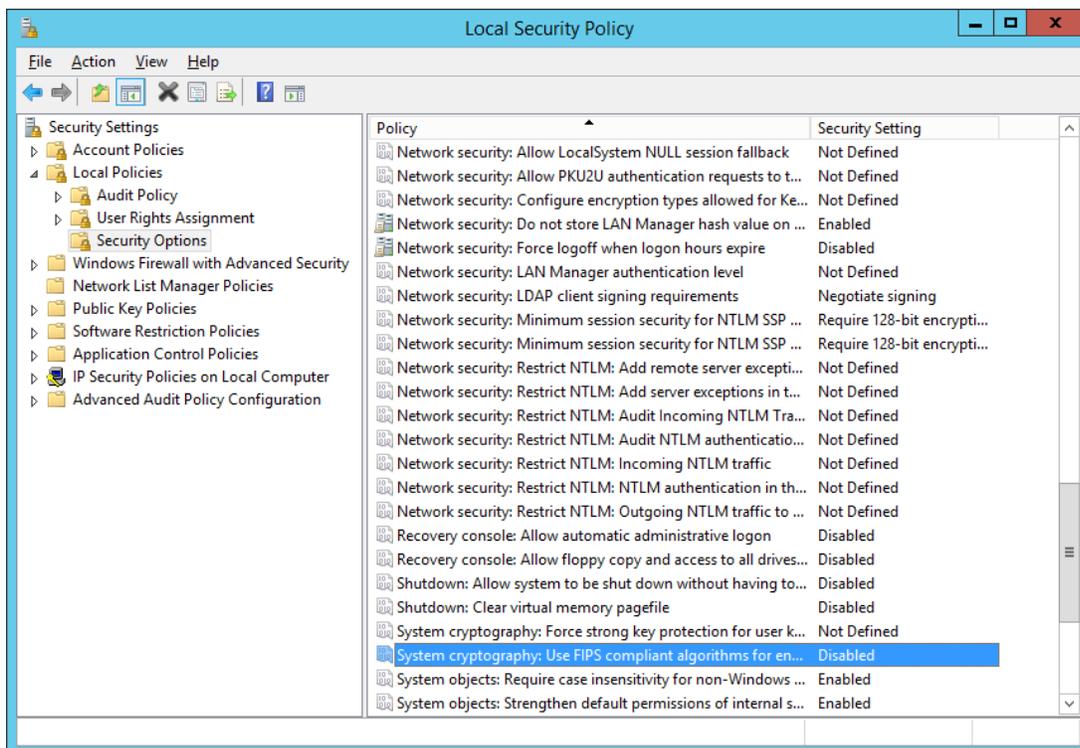
II. Solution (Disable FIPS)

To disable FIPS you need to edit the system security policy. This can either be done global or local; Based on the membership and Policy of an Active Directory.

Global: For modifying a global policy use tools like Group Policy Management Console (GPMC), Group Policy Editor (GPEDIT) and Resultant Set of Policy (RSOP). Consider contacting your Active Directory Administrator.

Local: For modify the local security you can go with the Security Policy Editor (Secpol).

In both way you will edit the same security policy, shown here as an example of a local policy:



Path global: Computer Configuration\Windows Settings\Local Policies\Security Options

Path local: Local Policies\Security Options

Policy: System cryptography: Use FIPS compliant algorithms for encryption, hashing and signing

Setting: Disabled

Close the Policy Editor and start the RayManageSoft Console. In case of an Active Directory Policy consider to enforce an update (e.g. gpupdate /force).