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## **Fips User Guide Openssl**

User Guide - OpenSSL  
FIPS Object Module

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v2.0. will build and install the new OpenSSL without overwriting the validated FIPS Object Module files. The FIPSDIR environment variable or the --with-fipsdir command line option can be used to explicitly reference the location of the FIPS Object Module (fipsanister.o).

## **User Guide - OpenSSL**

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User Guide for the  
OpenSSL FIPS Object  
Module With the  
advent of the new 2.0  
FIPS module there are  
now two distinct  
versions of the User  
Guide for the OpenSSL  
FIPS Object Module.  
The original User Guide  
document for the  
OpenSSL FIPS Object  
Module Version 1.2  
(FIPS 140-2 validation  
certificate #1051) can  
be found at:

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FIPS Object Module

v2.0 1. Introduction

This document is a guide to the use of the OpenSSL FIPS Object Module, a software component intended for use with the OpenSSL cryptographic library and toolkit. It is a companion document to the OpenSSL FIPS 140-2 Security Policy document submitted to

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NIST as part of the FIPS  
140-2

## **User Guide - OpenSSL: The Open Source toolkit for SSL/TLS**

OpenSSL FIPS Object  
Module FIPS 140-2 User  
Guide 1. Introduction

This document is a  
guide to the use of the  
OpenSSL FIPS software  
object module, a  
software component  
intended for use with  
the OpenSSL product.

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It is a companion document to the OpenSSL FIPS 140-2 Security Policy document submitted to NIST as part of the FIPS 140-2 validation process.

### **OpenSSL FIPS 140-2 User Guide -**

**University of Utah**  
OpenSSL FIPS Object  
Module. FIPS 140-2  
User Guide. The  
OpenSSL libraries,  
when built from a



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standard OpenSSL distribution with the “fips” configuration option for use with the FIPS Object Module, will contain the usual non-FIPS algorithms and non-cryptographic supporting functions, and the non-FIPS algorithm disabling restrictions.

### **OpenSSL FIPS Object Module**

At build time, MySQL must be compiled

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using OpenSSL. FIPS mode cannot be used in MySQL if compilation uses an SSL library different from OpenSSL. In addition, MySQL must be compiled with an OpenSSL version that is certified for use with FIPS. OpenSSL 1.0.2 is certified, but OpenSSL 1.1.1 is not.

### **6.5 FIPS Support**

Since the FIPS Object Module isn't currently

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OpenSSL  
available for this version, the meta-digi-fips layer will make Yocto build both the regular v1.1.1 and the FIPS-capable v1.0.2 OpenSSL libraries. To avoid confusion, the command line app installed with the FIPS-capable v1.0.2 libraries is renamed to openssl102 in the filesystem.

**FIPS-capable  
OpenSSL |**

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## **ConnectCore 6**

The OpenSSL FIPS

Object Module

validation is unique among all FIPS 140-2 validations in that the product is "delivered" in source code form, meaning that if you can use it exactly as is and can build it (according to the very specific documented instructions) for your platform, then you can use it as validated cryptography on a

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OpenSSL  
"vendor affirmed"  
basis.

## **OpenSSL: Important Notes about OpenSSL and FIPS 140-2**

The unofficial FIPS user Guide also notes this restriction. That is worth repeating as the question appears repeatedly: you cannot modify the contents of the official tarball . The CMVP has imposed that very specific

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prohibition on all of the  
OpenSSL FIPS Object  
Module validations.

### **FIPS Build Guidelines - OpenSSL**

Everything you need to  
know to build your own  
FIPS Object Module and  
FIPS enabled OpenSSL  
can be found in the  
OpenSSL FIPS 2.0 User  
Guide. It's not difficult,  
but it needs some  
patience to follow the  
guide if it's your first

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## **FIPS mode not supported in OpenSSL 1.0.2g · Issue #9743 ...**

How to check FIPS 140-2 support in OpenSSL? Ask Question Asked 6 years, 2 months ago. Active 10 months ago. Viewed 23k times 10. 6. We have a ... More information, including user guide, can be found here. In short:

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OpenSSL itself is not validated, and never will be. Instead a special carefully defined software component called the OpenSSL FIPS ...

### **linux - How to check FIPS 140-2 support in OpenSSL ...**

DESCRIPTION.

FIPS\_mode\_set() is used to set the FIPS mode of operation of a running program utilizing the services of



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a validated library. The library must have been built with the FIPS Object Module, and the FIPS Object Module must have been acquired, built, and installed in accordance with the OpenSSL Security Policy.

## **FIPS mode set() - OpenSSL**

OpenSSL 1.1.0 and above performs the dependency step for you, so you should not

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see the message.

However, you should perform a make clean to ensure the list of objects files is accurate after a reconfiguration.

Configure Options .

OpenSSL has been around a long time, and it carries around a lot of cruft.

## **Compilation and Installation - OpenSSL**

wolfSSL FIPS ReadyDo  
you have a project

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you'll need for a FIPS approved cryptographic library at a future date and want to be ready for it now? wolfSSL FIPS Ready is exactly what you need. It is our FIPS enabled cryptography layer code included in the wolfSSL source tree that you can enable and ... FIPS Ready User Guide. ... scripts/openssl.test.

**FIPS Ready User**

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## **Guide - wolfSSL**

For details, refer to the OpenSSL FIPS User Guide. System Requirements for FIPS Mode in MySQL. For MySQL to support FIPS mode, these system requirements must be satisfied: At build time, MySQL must be compiled using OpenSSL. FIPS mode cannot be used in MySQL if compilation uses an SSL library different from

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**MySQL :: MySQL 8.0  
Reference Manual ::  
6.5 FIPS Support**

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QUIC and OpenSSL Feb

17 2020 2019 Update

on 3.0 Development,

FIPS and 1.0.2 EOL Nov

07 2019 Face to Face:

Committer's Day May

23 ...

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The OpenSSL FIPS

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Object Module (hereafter referred to as the Module) is a software library supporting FIPS-approved cryptographic algorithms. For the purposes of the FIPS 140-2 level 1 validation, the OpenSSL FIPS Object Module v1.2.4 is a single object module file named

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