## HP Request for Export Commodity Classification and Government Review of Product with Cryptography

Before a product with cryptography can be exported under most circumstances the product must undergo a one time technical review by the U.S. Department of Commerce. In addition, a technical review may be required by the French DCSSI intelligence agency prior to import of the product to France and export from France. The HP Global Trade Department in Washington, D.C. and in France are responsible for filing the request for one time review with the U.S. government and with the French government respectfully. The government review time in the U.S. is typically about 8 weeks and up to 4 months in France. The ultimate exportability of the product and any export restrictions may depend on the outcome of the government reviews.

Please provide the following information to enable HP Global Trade to determine if government review is required, and if so, to submit your product with cryptography technology for a one-time review in the US and in France. For questions about completing this form please contact:

**Taeko Wong +1 916 785 4165 (**[**taeko\_wong@hp.com**](mailto:taeko_wong@hp.com) **)**

Date: 8/30/2012

# CONTACT INFORMATION

Name & phone: Taeko Wong +1 916 785 4165

Title: SRA Program Manager

Entity Name: ESSN Storage MSDU

Division/Organization: HP Storage

# PRODUCT INFORMATION

Internal product name: Jackparr

Commercial name: HP EVA Storage Replication Adapter for VMware

Product version: HP EVA Storage Replication Adapter version 5.01.00 for VMware vCenter SRM

HP Supplying Division: HP Storage

HP or 3rd party Manufacturer: HP

Value of the finished product:

Provide a short description of the product functionality or purpose of the product:

HP EVA SRA Software version 5.01.00 is a Storage Replication Adapter (SRA) for use with

VMware Site Recovery Manager (SRM). The SRA, developed by HP for EVA

storage arrays, enables SRM to work with HP EVA Continuous Access Software array-based

replication. HP EVA SRA Software version 5.01.00 is installed on VMware Site Recovery

Manager (SRM) servers and enables communications between SRM and HP Command

View EVA Software (and HP EVA Continuous Access Software for remote replication).

For information on VMware and the VMware Site Recovery Manager, see the VMware website.

<http://www.vmware.com/products/site-recovery-manager/>.

HP EVA SRA Software version 5.01.00 performs the following functions:

• Discovers disk arrays and their replication peers

• Discovers replicated LUNs

• Fails over storage for testing (test a recovery plan)

• Fails over storage for recovery

NOTE: You must provide all the part numbers that will embed the cryptography. Provide as much information as you can and update this list when further information is available.

## 3RD PARTY PRODUCT INFORMATION

Is the HP product licensed from a 3rd party or incorporates a component with crypto from a 3rd party? Yes.

If yes please complete the rest of this section:

**Jackparr third-party and open source components**:

Name of 3rd party manufacturer: [Sun](http://Sun) Microsystems

Name of 3rd party product: Java Cryptography Extension (included in Java Cryptography Architecture)

Manufacturer/Vendor Product Number: 5D992.b.1

3rd Party contact: http://java.sun.com/javase/6/docs/technotes/guides/security/crypto/CryptoSpec.html

Please provide the US export commodity classification number (ECCN)

used by the manufacturer for each product listed.

Was this product self-classified or was an official export classification

decision obtained from the US Dept of Commerce?

If an official export classification decision was obtained from the

US Dept of Commerce, please provide a copy of the classification decision

documents, or provide the case review (CCATS) number and the results of

the review including any 'Comments from Licensing Officer' stated on the

CCATS document and associated with this product.

Please indicate if a one-time product review and French import approval was requested from the French DCSSI agency and provide the results of the review.

## CRYPTOGRAPHY INFORMATION

Please indicate if this product uses cryptography to provide for password protection, authentication, access control or digital signature of the user? Cryptography is utilized for password protection and authentication. End users will be unable to access any portion of the product without providing credentials.

Used for: Password Protection, authentication, access control

Please indicate if cryptography is used for data privacy/confidentiality and if so, explain the purpose or need for privacy? (e.g. information security over virtual private network, public networks, other communications, data storage….etc)?

Used for internal storage of encrypted passwords.

If the crypto capability is used for data privacy/confidentiality please further describe the type of data being encrypted, for example general purpose user data/files, general user communications, limited financial data, data limited to systems and/or network management (Operations, Administration, Maintenance and Provisioning):

See the previous paragraph.

Describe the crypto implementation: the type of algorithm(s), where the crypto was sourced from, key lengths, method of key management including key modulus size, identify crypto functions/parameters exposed to applications, purpose or use of the crypto…etc).

The crypto implementation is exclusively SSL, and therefore will incorporate the typical set of SSL ciphers, key sizes and hash algorithms.

These include: RSA, EDH, RC4, DES, 3DES, AES, MD5 and SHA1. The keys sizes for asymmetric ciphers will be the typical sizes (1024 and 2048 bits). The keys sizes for symmetric ciphers are 128, 168 and 256 bits.

Can the cryptographic capability in this product be used for purposes other than what is intended by the product, such as through a user accessible interface, direct access to a crypto library or other means? If yes please explain. No.

Can the user easily change the product or cryptography functionality beyond the features of the product? If yes please explain. No.

Does the product contain any cryptographic application programming interfaces (e.g., API's specially designed to allow the plug-in or implementation of specific crypto capability(ies)? If yes please explain. No.

Does this product provide secure Wide Area Network (WAN),

Metropolitan Area Network (MAN), Virtual Private Network (VPN),

satellite, cellular or trunked communications? No.

If yes, please answer the following 4 questions:

1. Is the aggregate encrypted WAN, MAN, VPN or backhaul throughput

(includes communications through wireless network elements such as

gateways, mobile switches, controllers, etc) greater than 90 Mbps?

2. Does the wire (line), cable or fiber‑optic WAN, MAN or

VPN single‑channel input data rate exceed 154 Mbps?

3. Does the media (voice/video/data) encryption or centralized   
 key management support more than 250 concurrent encrypted   
 data channels, or support encrypted signaling to more than   
 1,000 endpoints, for digital packet telephony/media (voice/  
 video/data) over internet protocol communications?

4. Does the air‑interface coverage (e.g., through base stations, access points

to mesh networks, bridges, etc.) exceed 1,000 meters, where any of the

following applies?

i. Maximum data rates exceed 10 Mbps (at operating ranges

beyond 1,000 meters); or

ii. Maximum number of concurrent full‑duplex voice channels

exceed 30 ; or

iii.Substantial support is required for installation or use

## DISTRIBUTION INFORMATION

Estimated product release date: Sep, 2012.

How do we plan to distribute the product? As a bundle? Through what channel? Electronic download?

The first release will be an electronic download on hp.com and vwmare.com.

Future releases of the product will continue to be an electronic download and the product.

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Is the product generally available to the public by being sold, without restriction, from stock at retail selling points? (Yes/No) No

If yes, through which of the following means:

* Over the counter transactions
* Mail order transactions
* Electronic transactions
* Telephone call transactions

Is the product designed for installation by the user without further substantial support by the supplier?

Yes. HP is offering technical support services.

Does HP intend to share the source code with anyone outside the US, either within HP or outside HP?

If yes, explain.

No

From where do you intend to distribute the product?

* worldwide
* limited countries (specify)
* U.S. only

Worldwide

Where do you intend to import this product?

* worldwide
* limited countries (specify)

Worldwide

Do you intend to sell or distribute in France?

Yes

*Please provide a technical spec or product data sheet or technical description that provides a functional overview of the product and the cryptography implementation. Other helpful documentation may include user manuals and external specifications.*

*If a determination is made that this product requires a one time technical review by the US government and/or the France government prior to export (and import to France) the documentation provided will likely be shared with the*

*government reviewing agencies. All applications for government review and accompanying support documentation are protected from public disclosure by legislative and regulatory authority in the US and in France. If there is further concern about the sensitivity of sharing this documentation on a limited basis with these government authorities please contact us to discuss.*