

NSFOCUS ISOP Installation Guide



Version: V3.0R011B07 (2023-10-10)

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Preface





This document describes how to install NSFOCUS Intelligent Security Operations Platform (ISOP for short).

This document is provided for reference only. It may slightly differ from the actual product due to version upgrade or other reasons.

Organization

Chapter	Description
1 Version Information	Describes the version information of ISOP and configuration requirements for ISOP hosts.
2 Installing ISOP	Describes how to install ISOP.

Conventions

Convention	Description
Bold font	Keywords, names of screen elements like buttons, drop-down lists or fields, and user-entered text appear in bold font.
<i>Italic font</i>	Document titles, new or emphasized terms, and arguments for which you supply values are in italic font.
 Note	Reminds users to take note.
 Tip	Indicates a tip to make your operations easier.
 Caution	Indicates a situation in which you might perform an action that could result in equipment damage or loss of data.
 Warning	Indicates a situation in which you might perform an action that could result in bodily injury.
A > B	Indicates selection of menu options.

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Documentation Feedback

For any query regarding the usage of the documentation, you can contact us:

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1 Version Information

1.1 ISOP Version

Table 1-1 describes the version information of ISOP.


Table 1-1 Version information of ISOP

Component Name	MD5 Value
ISOP-IB-BP-202309020.1.dat	ede09eead77e04c400c0dcd9747d5ca1

1.2 Host Requirements

Table 1-2 describes the requirements for an ISOP host.

Table 1-2 Configuration requirements for an ISOP host

Item	Recommended Configuration
CPU	2 x Intel E5-2640v4 (or equivalent CPU with 20 cores and 40 threads)
Memory	256 GB ECC DDR4
Hard disk drive (HDD)	<ul style="list-style-type: none"> 2 x solid-state drive (SSD) (500 GB minimum, RAID 1) Used to deploy operating systems and BSA management node services. Two SSDs are required for deploying management nodes, and working nodes do not require SSDs. At least 12 4T SATA HDDs (with each HDD in RAID 0 or non-RAID mode) Used to deploy big data storage and computing facilities of BSA, such as Hadoop and Kafka. Root directory: 300 GB minimum. RAID controller: <p> Note</p> <ul style="list-style-type: none"> When the server's disk drives are in RAID 0 mode, a separate group must be configured for each disk drive.

Item	Recommended Configuration
	<ul style="list-style-type: none"> You must carefully check the status of disk drives and RAID. An error in RAID may cause BSA to work improperly.
CD drive	Built-in CD drive
Network interface card (NIC)	10 GB 2-port NIC, or 2 x 1,000 MB 4-port NIC
RAID controller	RAID controller with internal cache of more than 1 GB (RAID controller H710P for example)
Power supply	Hot-pluggable redundant power supply in 1+1 redundancy mode, 1100 W

1.3 Server and Operating System Requirements

Table 1-3 describes the requirements for servers and operating systems.

Table 1-3 Servers and operating systems required by ISOP

Server	Operating System	Version	CPU Architecture
Dell	CentOS	CentOS 7.6	x86
Dell R740 and later	CentOS	CentOS 7.9	x86

2 Installing ISOP

This chapter contains the following topics:

Topic	Description
Installing BSA	Describes how to install BSA.
Checking the BSA Version	Describes how to check the version of BSA.
Installing ISOP	Describes how to install ISOP.
Accessing ISOP	Describes how to access ISOP after installation.
Checking the ISOP Version	Describes how to check the version of ISOP after installation.

2.1 Installing BSA

Please refer to *NSFOCUS BSA V2.0R01F06 Installation Guide* for details of installing BSA.

2.2 Checking the BSA Version


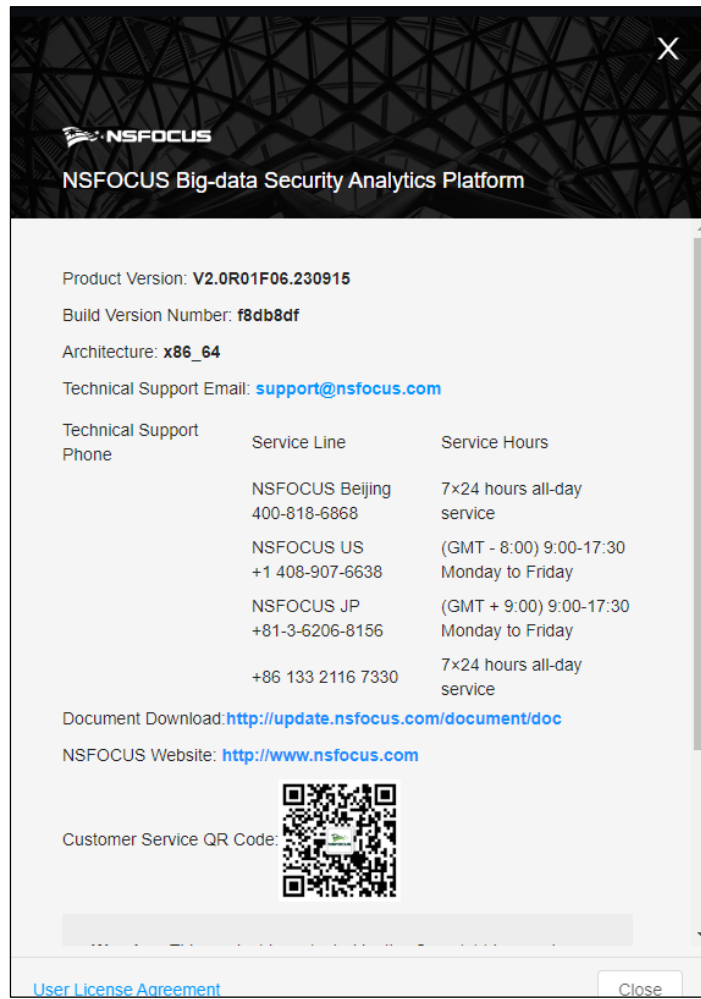
After installation, click  in the quick access bar of BSA to check the version information of BSA. The build number should be **f8db8df**, as shown in [Figure 2-1](#).

Figure 2-1 Version information of BSA



2.3 Installing ISOP

To install ISOP, perform the following steps:

Step 1 Log in to BSA.

Step 2 Click  in the quick access bar of BSA, and choose **System > Components > Component Management**.

Step 3 Click **Add Components**.


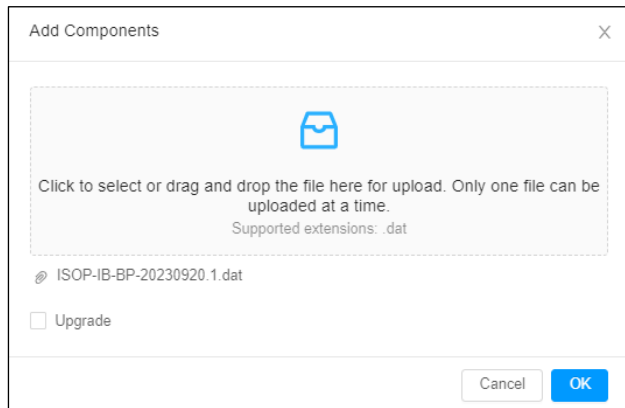
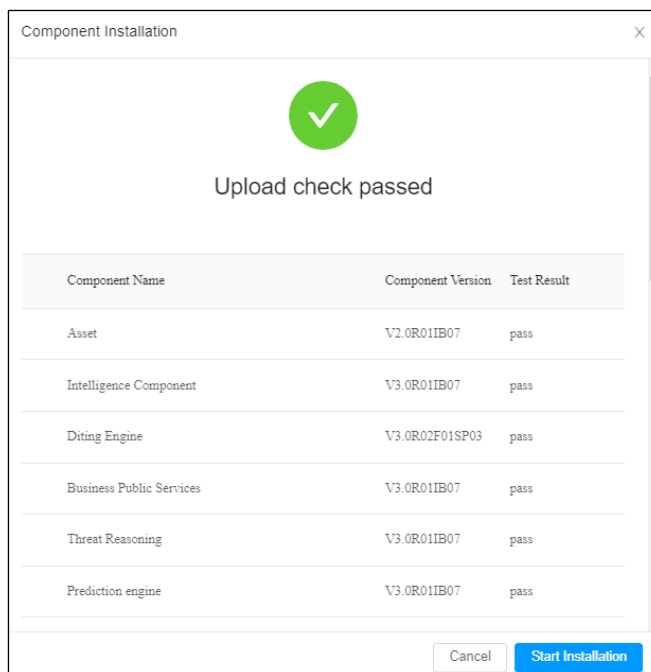
Step 4 In the pop-up dialog box, click  to select **ISOP-IB-BP-202309020.1.dat** or drag the ISOP installation file to the uploading area.

Figure 2-2 Selecting the ISOP installation file



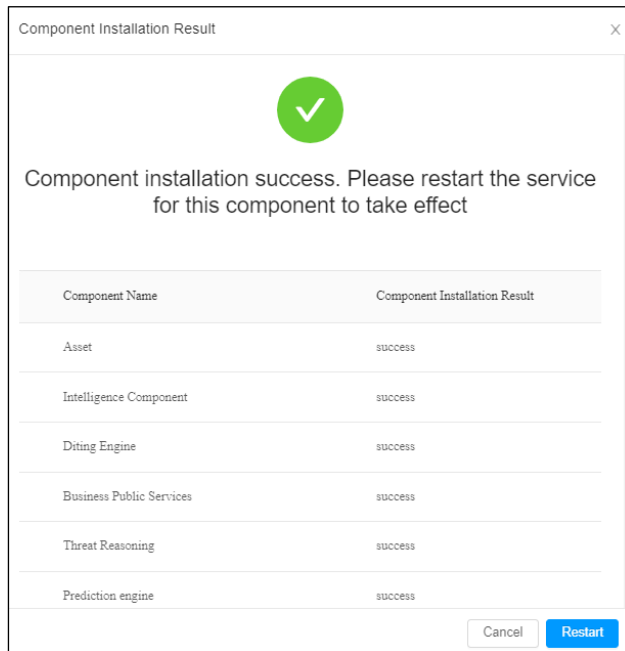
Step 5 Click **OK** to import the ISOP component package.

Figure 2-3 Dialog box prompting successful upload of the ISOP installation file



Step 6 Click **Start Installation**.

Figure 2-4 Dialog box prompting successful installation of ISOP



Step 7 Click **Restart** to complete the installation of ISOP.



Note

ISOP V3.0R01IB07 comes with the 5G Core (5GC) component. If the 5GC component is not licensed, it may prompt 5GC installation or upgrade failure.

---End

2.4 Accessing ISOP


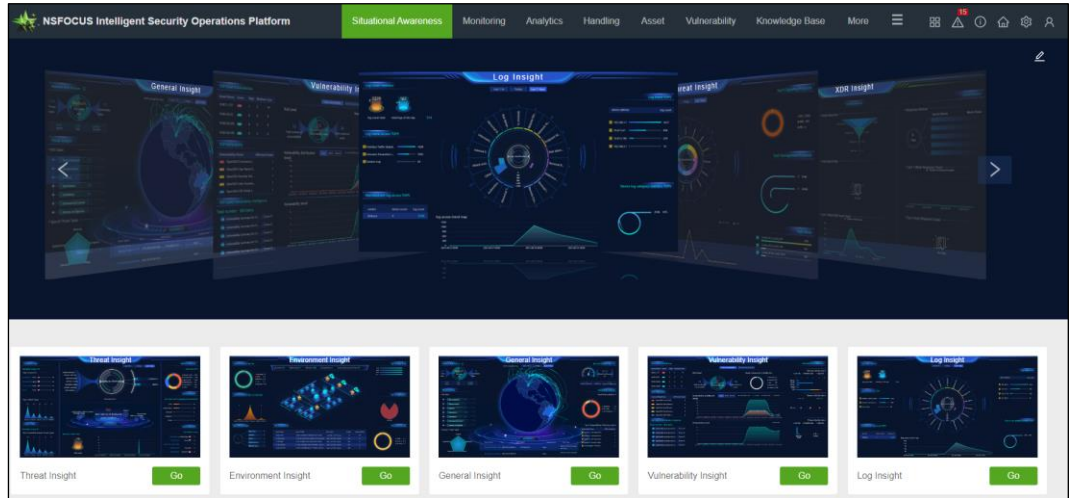
After ISOP is added on BSA, log in to BSA, click  in the upper-right corner and select **NSFOCUS ISOP**. The home page of ISOP is shown in [Figure 2-5](#).

Figure 2-5 Home page of ISOP



2.5 Checking the ISOP Version

Click  in the quick access bar of ISOP to view the version information of ISOP.

Product Version is **V3.0R011B07**, and **Build Version Number** is **1695008482**, as shown in [Figure 2-6](#).

Figure 2-6 Version information of ISOP

