

## Cipher support on a NetScaler MPX/SDX 14000 FIPS appliance

The following table lists the support for different ciphers on SSL entities, such as virtual server, services, and internal services.

On an SDX appliance, if an SSL chip is assigned to a VPX instance, the cipher support of an MPX appliance applies. Otherwise, the normal cipher support of a VPX instance applies.

### How to read the table

Unless a build number is specified, a cipher suite is supported for all builds in a release.

### Example

- **12.1, 13.0, 13.1, 14.1:** All builds of 12.1, 13.0, 13.1, 14.1 releases.
- **NA:** not applicable.

Cipher Suite Name	Hex Code	Wireshark Cipher Suite Name	Builds Supported (frontend)	Builds Supported (backend)
TLS1-AES-256-CBC-SHA	0x0035	TLS_RSA_WITH_AES_256_CBC_SHA	12.1, 13.0, 13.1, 14.1	12.1, 13.0, 13.1, 14.1
TLS1-AES-128-CBC-SHA	0x002f	TLS_RSA_WITH_AES_128_CBC_SHA	12.1, 13.0, 13.1, 14.1	12.1, 13.0, 13.1, 14.1
TLS1-ECDHE-RSA-AES256-SHA	0xc014	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA	12.1, 13.0, 13.1, 14.1	12.1, 13.0, 13.1, 14.1
TLS1-ECDHE-RSA-AES128-SHA	0xc013	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA	12.1, 13.0, 13.1, 14.1	12.1, 13.0, 13.1, 14.1
TLS1.2-ECDHE-RSA-AES-256-SHA384	0xc028	TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384	12.1, 13.0, 13.1, 14.1	12.1, 13.0, 13.1, 14.1
TLS1.2-ECDHE-RSA-AES-128-SHA256	0xc027	TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256	12.1, 13.0, 13.1, 14.1	12.1, 13.0, 13.1, 14.1
TLS1-ECDHE-RSA-DES-CBC3-SHA	0xc012	TLS_ECDHE_RSA_WITH_3DES_EDE_CBC_SHA	12.1, 13.0, 13.1, 14.1	12.1, 13.0, 13.1, 14.1
SSL3-DES-CBC3-SHA	0x000a	TLS_RSA_WITH_3DES_EDE_CBC_SHA	12.1, 13.0, 13.1, 14.1	12.1, 13.0, 13.1, 14.1
TLS1.2-AES256-GCM-SHA384	0x009d	TLS_RSA_WITH_AES_256_GCM_SHA384	12.1, 13.0, 13.1, 14.1	12.1, 13.0, 13.1, 14.1
TLS1.2-AES128-GCM-SHA256	0x009c	TLS_RSA_WITH_AES_128_GCM_SHA256	12.1, 13.0, 13.1, 14.1	12.1, 13.0, 13.1, 14.1
TLS1.2-ECDHE-RSA-AES256-GCM-SHA384	0xc030	TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	12.1, 13.0, 13.1, 14.1	12.1, 13.0, 13.1, 14.1
TLS1.2-ECDHE-RSA-AES128-GCM-SHA256	0xc02f	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256	12.1, 13.0, 13.1, 14.1	12.1, 13.0, 13.1, 14.1
TLS1.2-AES-256-SHA256	0x003d	TLS_RSA_WITH_AES_256_CBC_SHA256	12.1, 13.0, 13.1, 14.1	12.1, 13.0, 13.1, 14.1
TLS1.2-AES-128-SHA256	0x003c	TLS_RSA_WITH_AES_128_CBC_SHA256	12.1, 13.0, 13.1, 14.1	12.1, 13.0, 13.1, 14.1
TLS1-ECDHE-ECDSA-AES256-SHA	0xc00a	TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA	12.1, 13.0, 13.1, 14.1	12.1, 13.0, 13.1, 14.1
TLS1-ECDHE-ECDSA-AES128-SHA	0xc009	TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA	12.1, 13.0, 13.1, 14.1	12.1, 13.0, 13.1, 14.1
TLS1.2-ECDHE-ECDSA-AES256-SHA384	0xc024	TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384	12.1, 13.0, 13.1, 14.1	12.1, 13.0, 13.1, 14.1
TLS1.2-ECDHE-ECDSA-AES128-SHA256	0xc023	TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA256	12.1, 13.0, 13.1, 14.1	12.1, 13.0, 13.1, 14.1
TLS1.2-ECDHE-ECDSA-AES256-GCM-SHA384	0xc02c	TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384	12.1, 13.0, 13.1, 14.1	12.1, 13.0, 13.1, 14.1
TLS1.2-ECDHE-ECDSA-AES128-GCM-SHA256	0xc02b	TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256	12.1, 13.0, 13.1, 14.1	12.1, 13.0, 13.1, 14.1
TLS1-ECDHE-ECDSA-DES-CBC3-SHA	0xc008	TLS_ECDHE_ECDSA_WITH_3DES_EDE_CBC_SHA	12.1, 13.0, 13.1, 14.1	12.1, 13.0, 13.1, 14.1