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# bpo-43669: PEP 644: Require OpenSSL 1.1.1 or newer (GH-23014) #23014

Merged [tiran](#) merged 1 commit into [python:master](#) from [tiran:pep-644](#)  on Apr 17, 2021[Conversation](#) **1** [Commits](#) **1** [Checks](#) **0** [Files changed](#) **17**[tiran](#) commented on [Oct 28, 2020](#) • edited ▾Member

- Remove HAVE\_X509\_VERIFY\_PARAM\_SET1\_HOST check
- Update hashopenssl to require OpenSSL 1.1.1
- multissltests only OpenSSL > 1.1.0
- ALPN is always supported
- SNI is always supported
- Remove deprecated NPN code. Python wrappers are no-op.
- ECDH is always supported
- Remove OPENSSL\_VERSION\_1\_1 macro
- Remove locking callbacks
- Drop PY\_OPENSSL\_1\_1\_API macro
- Drop HAVE\_SSL\_CTX\_CLEAR\_OPTIONS macro
- SSL\_CTRL\_GET\_MAX\_PROTO\_VERSION is always defined now
- security level is always available now
- get\_num\_tickets is available with TLS 1.3
- X509\_V\_ERR\_MISMATCH is always available now
- Always set SSL\_MODE\_RELEASE\_BUFFERS
- X509\_V\_FLAG\_TRUSTED\_FIRST is always available
- get\_ciphers is always supported
- SSL\_CTX\_set\_keylog\_callback is always available
- Update Modules/Setup with static link example
- Mention PEP in whatsnew
- Drop 1.0.2 and 1.1.0 from GHA tests

<https://bugs.python.org/issue43669>

 **tiran** added the **DO-NOT-MERGE** label on Oct 28, 2020

 **the-knights-who-say-ni** added the **CLA signed** label on Oct 28, 2020


 **bedevere-bot** added the **awaiting core review** label on Oct 28, 2020

**github-actions** (Bot) commented on Dec 16, 2020

This PR is stale because it has been open for 30 days with no activity. Remove stale label or comment or this will be closed in 5 days


 **github-actions** (Bot) added the **stale** label on Dec 16, 2020

 **tiran** force-pushed the **pep-644** branch from **0f41d75** to **a323058** 5 years ago Compare

 **tiran** changed the title **PEP 644: Require OpenSSL 1.1.1 or newer** **bpo-43669: PEP 644: Require OpenSSL 1.1.1 or newer** on Mar 30, 2021

 **tiran** force-pushed the **pep-644** branch from **a309c4f** to **de6a7c3** 5 years ago Compare

 **tiran** removed **DO-NOT-MERGE** **stale** labels on Mar 30, 2021



 **tiran** force-pushed the **pep-644** branch 2 times, most recently from **0704819** to **edab5a6** 5 years ago Compare

 **tiran** marked this pull request as ready for review 5 years ago



 **PEP-644: Require OpenSSL 1.1.1 or newer** ... [3ddf7fa](#)

 **tiran** force-pushed the `pep-644` branch from `edab5a6` to `3ddf7fa` 5 years ago

[Compare](#)

  **tiran** changed the title **bpo-43669: PEP 644: Require OpenSSL 1.1.1 or newer** **bpo-43669: PEP 644: Require OpenSSL 1.1.1 or newer (GH-23014)** on Apr 17, 2021

  **tiran** merged commit `39258d3` into `python:master` on Apr 17, 2021

  **tiran** deleted the `pep-644` branch 5 years ago

  **bedevere-bot** removed the `awaiting core review` label on Apr 17, 2021


  **tiran** mentioned this pull request on Apr 17, 2021

**PEP 644: Added accepted mail and mark as final (GH-1927)** python/peps#1927

 Merged

  **pquentin** mentioned this pull request on Aug 15, 2024

**Rely on OpenSSL ALPN support** urllib3/urllib3#3450

 Merged

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**Reviewers**

No reviews

**Assignees**

No one assigned

**Labels**

None yet

**Projects**

None yet

### Milestone

No milestone

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### Development

Successfully merging this pull request may close these issues.

None yet

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### 3 participants

