

رادصإلاتاظحالم

Leap 42.2 يزوس نبوأ

بساحلا ةزهجأل سكنيل لىلع دمتعي يناعم ليغشت ماظن يزوس نبوأ ديربلا ةرادإو بيولاح فصت كنكمي. مداخلا وأ لومحمال بساحلاو ، يلالا وأ ويديفلا ليغشتو ، بتكملا لامعأب مايقلا ، روصلاو ينورتكلإلا يزوس نبوأ مادختسا يف ةعتملا نم ريثكلا كانه يقيسوملا

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This is the initial version of the release notes for the forthcoming openSUSE 42.2.

If you upgrade from an older version to this openSUSE Leap release, see previous release notes listed here: http://en.opensuse.org/openSUSE:Release_Notes.

This public beta test is part of the openSUSE project. Information about the project is available at <https://www.opensuse.org>.

Report all bugs you encounter using this prerelease of openSUSE 42.2 in the openSUSE Bugzilla. For more information, see http://en.opensuse.org/Submitting_Bug_Reports. If you would like to see anything added to the release notes, file a bug report against the component “Release Notes”.

1 تثبيت

This section contains installation-related notes. For detailed upgrade instructions, see the documentation at <https://doc.opensuse.org/documentation/leap/startup/html/book.opensuse.startup/part.basics.html>.

1.1 تثبيت نمى ندأل دحل

To avoid some big recommended packages from being installed, the pattern for minimal installations uses another pattern that creates conflicts with undesired packages. This pattern, `patterns-openSUSE-minimal_base-conflicts`, can be removed after installation.

رأج تدرا. ةيأح رأج نودب أيضارتفا يئأي نندأل دحلأ تيبت نأ ظحال `SUSEfirewall2` تبت ، ةيأح.

1.2 UEFI—Unified Extensible Firmware Interface

جمأنربلأ ةهأو) UEFI عالقإ مدختسي مآظن ىلع يزوس نبوأ تيبت لب قةزهألل ةتباتلأ جمأربلأ تاتثي دحت نم ققحتلاب حصني ، (دتمملأ تباتلأ نأ ىلإ ةيوق ةراشإ وه أقبسم ةتبت ثم Windows 8 دوجو. عئابلأ نم أهب ي صوملأ UEFI عالقإ مدختسي مآظنلأ.

Background: Some UEFI firmware has bugs that cause it to break if too much data gets written to the UEFI storage area. However, there is no clear data of how much is “too much”.

openSUSE minimizes the risk by not writing more than the bare minimum required to boot the OS. The minimum means telling the UEFI firmware about the location of the openSUSE boot loader. Upstream Linux kernel features that use the UEFI storage area for storing boot and crash information (pstore) have been disabled by default. Nevertheless, it is recommended to install any firmware updates the hardware vendor recommends.

1.3 MS-DOS ماسق أو، GPT، UEFI


GUID ماسق أو لودج) GPT: ميسقت لا نم دي دج طمن كانه EFI/UEFI تافصاوم عم اهضرع متي تب-128 ميقي) ايملاع عديرف تافرع ممدختسي دي دج ططخم اذه ميسقت لا عاونأوداتعلا لى لع فرعتلل (32 عيرشع تس ماقراً عغيصب

Additionally, the UEFI specification also allows legacy MBR (MS-DOS) partitions. The Linux boot loaders (ELILO or GRUB 2) try to automatically generate a GUID for those legacy partitions, and write them to the firmware. Such a GUID can change frequently, causing a rewrite in the firmware. A rewrite consists of two different operations: Removing the old entry and creating a new entry that replaces the first one.

Modern firmware has a garbage collector that collects deleted entries and frees the memory reserved for old entries. A problem arises when faulty firmware does not collect and free those entries. This can result in a non-bootable system.

To work around this problem, convert the legacy MBR partition to GPT.

2 مازنلا عيقرت

This section lists notes related to upgrading the system. For detailed upgrade instructions, see the documentation at <https://doc.opensuse.org/documentation/leap/startup/html/book.opensuse.startup/cha.update.osuse.html> .

2.1 Removed and replaced packages

The following packages have been removed or replaced compared to openSUSE Leap 42.1:

- ungifsicle: replaced by gifsicle
- psi: replaced by psi+
- xchat: replaced by hexchat

3 ماع

This section lists general issues with openSUSE Leap 42.2 that do not match any other category.

4 تاقيل تلعل او تامولعمل نم دي زم

- طيسولالعل ةدعاسملال فلم ءرقا.
- مزحلال نم ةددم ءومجم لوح تاريغيغتلاب ءلصفم تامولعمل ةدهاشم:

```
rpm --changelog -qp مسالال فلمل.rpm
```

ةمزحلال مساب فلملال مسال ريغ.

- تيبتتلال طيسولالعلال ءوتسمال ي ف رييغتلال لفس فلم نم ققحت مزحلالعل اهؤارجل متل تاريغيغتلال ءفاكل ي نمزلال لفسال ضري ءدحملال.
- تيبتتلال طيسولالعل قئائو دلجملال ي ف تامولعملال نم دي زم لعل روثعلال.
- <https://doc.opensuse.org/> contains additional or updated documentation.
- Visit <https://www.opensuse.org> for the latest product news from openSUSE.

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ي.زوس نبوأ قيرف