

adapt install [anything]

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SCALE 14x

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A large, semi-transparent orange Ubuntu logo watermark is centered in the background of the slide. The logo consists of a central circle surrounded by four curved segments, with two smaller circles positioned at the top and bottom of the outer ring.

Ubuntu = **Velocity**

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Ubuntu = Quality

A large, semi-transparent orange Ubuntu logo watermark is centered in the background of the slide. The logo consists of a central circle surrounded by four smaller circles, all connected by a thick, curved line.

Ubuntu = Choice

A large, semi-transparent watermark of the Ubuntu logo is centered in the background. The logo consists of a central circle with four curved lines extending outwards, and two smaller circles positioned above and below the central circle.

Released every 6 months
On time, **every time**

A large, semi-transparent watermark of the Ubuntu logo is centered in the background. The logo consists of a central circle surrounded by four curved lines that form a larger circle, with two smaller circles at the top and bottom.

LTS release every 2 years
On time, **every time**

A large, semi-transparent watermark of the Ubuntu logo is centered in the background. The logo consists of a circle with four smaller circles at the top, bottom, left, and right, and a central circle with a vertical line through it.

44,000 binary packages built
from **9,000** open source projects

A large, semi-transparent watermark of the Ubuntu logo is centered in the background. The logo consists of a circle with four smaller circles at the corners and a central circle containing a stylized human figure.

Continuously
built, integrated and tested
together

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And there are still
more packages available

The background of the slide is a solid orange color. In the center, there is a large, faint watermark of the Ubuntu logo, which consists of a circle with four smaller circles inside, arranged in a square pattern. The text is centered over this watermark.

Ubuntu **Backports** and Launchpad **PPAs**

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9 out of 10 Ubuntu servers
are running **the LTS**

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Most users want
the **stability** of an LTS

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But many users often need
that **one updated package**
from a newer release of Ubuntu

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Sometimes those updated major versions
land in **Ubuntu Backports...**

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Sometimes they **don't**...

A large, semi-transparent watermark of the Ubuntu logo is centered in the background. The logo consists of a circle with four smaller circles inside, connected by a central vertical line and a horizontal line, forming a stylized 'U' shape.

Sometimes those updated major versions
land in **Launchpad PPAs...**

The background of the slide is a solid orange color. In the center, there is a large, faint watermark of the Ubuntu logo, which consists of a circle with four smaller circles inside, arranged in a square pattern. The text "Other times they don't..." is centered over this watermark.

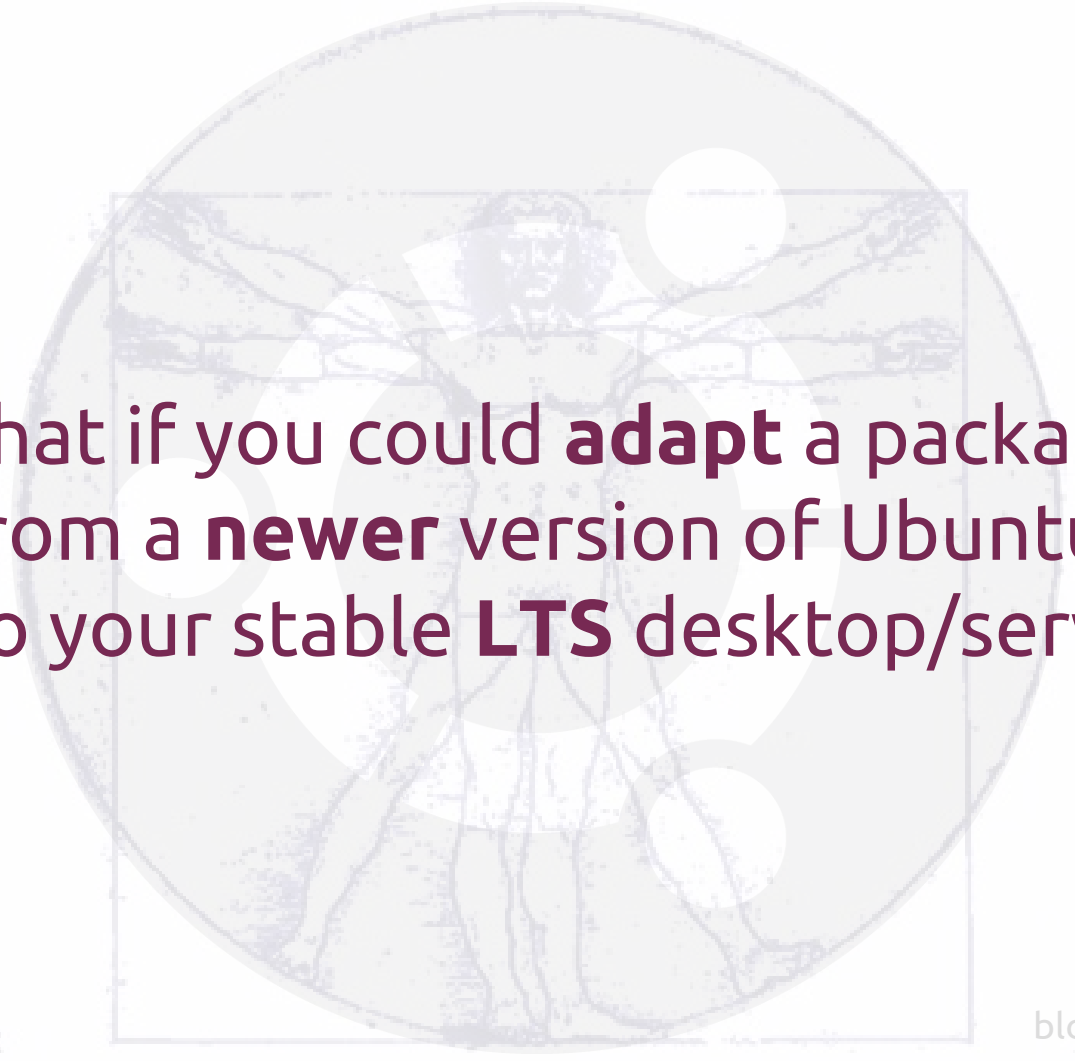
Other times they **don't**...

The background of the slide is a solid orange color. In the center, there is a large, faint watermark of the Ubuntu logo, which consists of a circle with four human figures around it, all in a lighter shade of orange. Overlaid on this watermark is the text "And when they do, how well **supported** are they?".

And when they do,
how well **supported** are they?

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Or, from a developer's perspective,
how **supportable** are they?



What if you could **adapt** a package
from a **newer** version of Ubuntu,
onto your stable **LTS** desktop/server?



Or, as a developer, what if you could provide
your **latest releases** to your users
running an **older LTS version** of Ubuntu?



Introducing **adapt!**



adapt is a lot like **apt...**



It's a simple command
that installs **packages**



But it “adapts” a **requested version**
to run on your **current system**



A simple command that installs
any package from **any release** of Ubuntu
into **any version** of Ubuntu



How does **adapt** work?



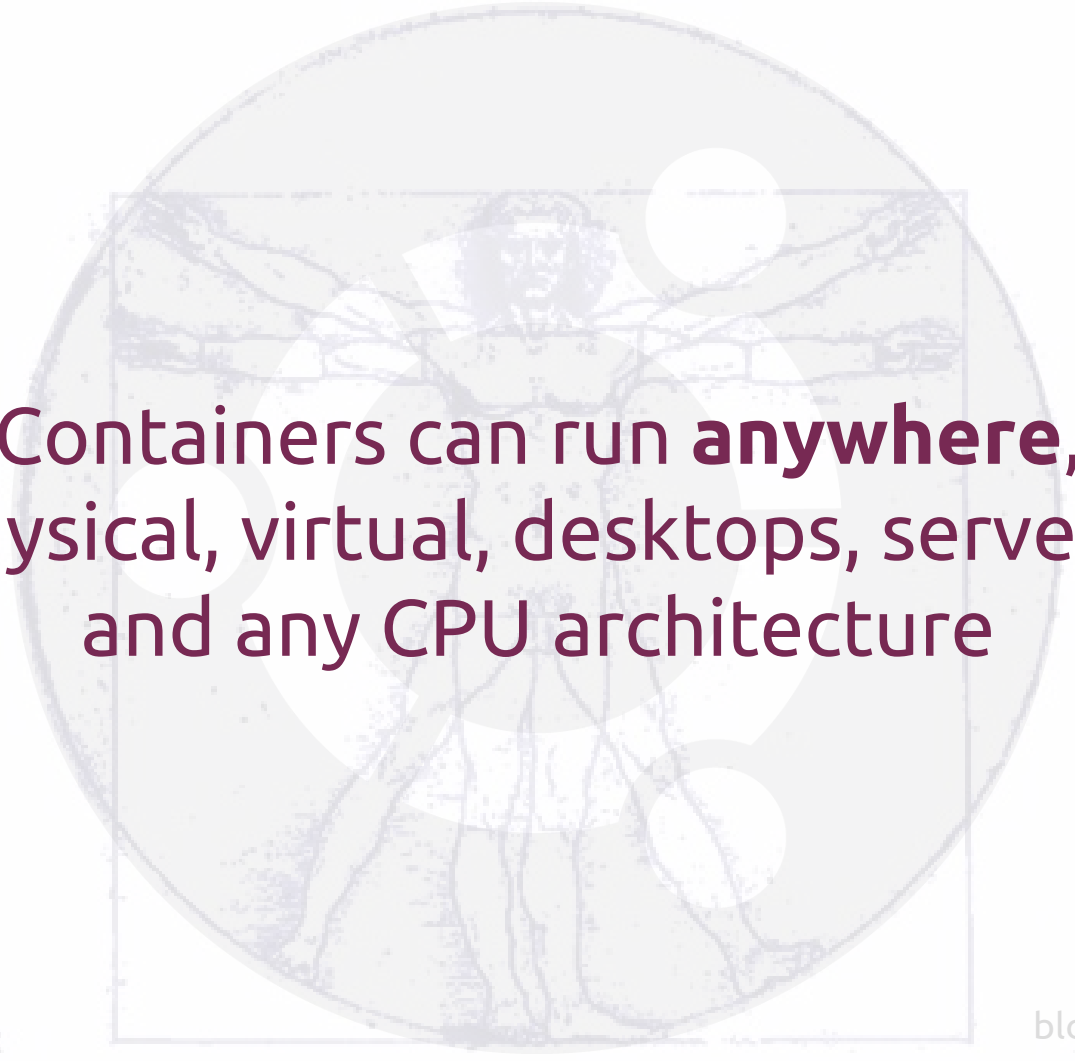
**Simple...
Containers!**



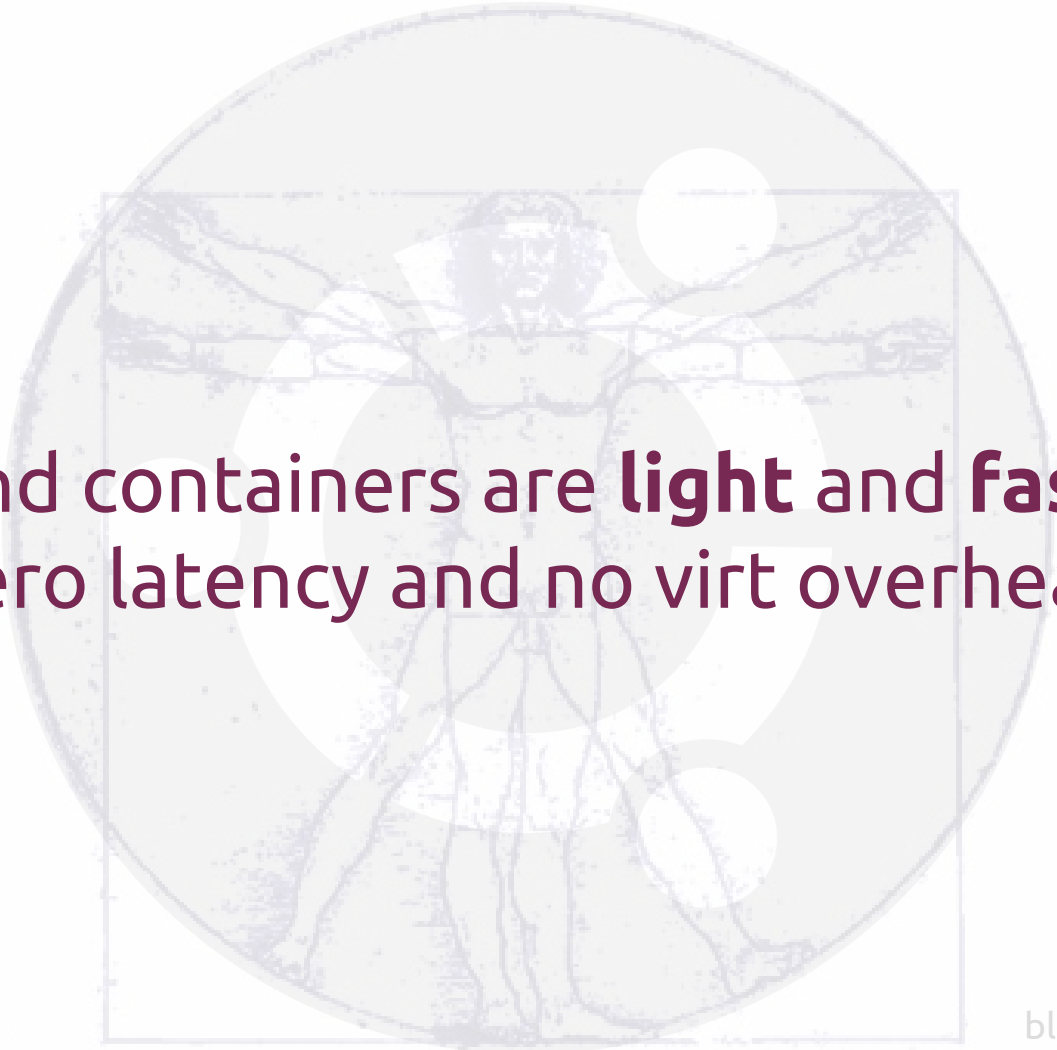
More specifically,
LXD system containers



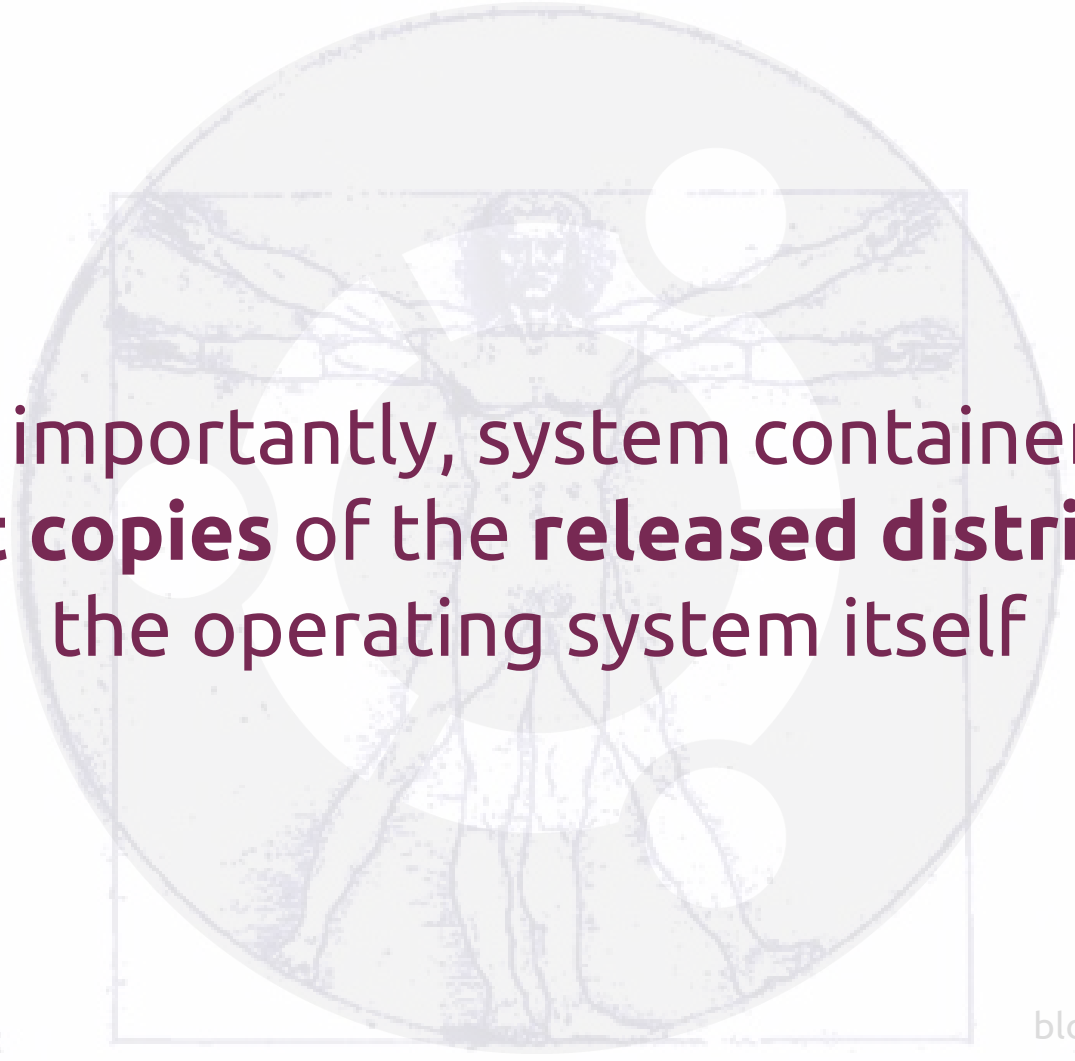
Why containers?



Containers can run **anywhere**,
physical, virtual, desktops, servers,
and any CPU architecture



And containers are **light** and **fast!**
Zero latency and no virt overhead



Most importantly, system containers are **perfect copies of the released distribution, the operating system itself**



Remember all of that
continuous integration testing
we do perform on each release?



Let's leverage that!

Live demo!

Help

```
adapt help
```

nginx

```
adapt install -p nginx
```

```
adapt list
```

```
# point browser to :80
```

```
adapt purge -p nginx
```

Ansible

```
adapt install -p ansible
```

```
adapt run -c "ansible --version"
```

```
adapt alias -c ansible
```

```
ansible --version
```

```
adapt unalias -c ansible
```

```
adapt purge -p ansible
```

gcc

```
adapt install -r trusty -p gcc
```

```
adapt run -r trusty -c "gcc -v"
```

```
adapt alias -r trusty -c gcc
```

```
adapt unalias -r trusty -c gcc
```

```
adapt purge -r trusty -p gcc
```

go lang

```
adapt install -r wily -p go lang
```

```
adapt run -r wily -c "go version"
```

```
adapt alias -r wily -c go
```

```
adapt unalias -r wily -c go
```

```
adapt purge -r wily -p go
```

Tomcat (from CentOS, just for fun...)

```
adapt install -d centos -r 7 -p tomcat
```

```
adapt run -d centos -c "service tomcat start"
```

```
adapt list
```

```
# point browser to :8080
```



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ubuntu