Let’s go to the colonies!

Or, just update your dang OS on time.

caskey@{gmail,twitter,github}
Any day now...

1950’s - Werner von Braun proposal
1950-70’s - USA
- Project Orion
- Project EMPIRE
- NERVA power
Russia - MPK Mars Piloted Complex
1980’s (the MTV era)
Uni. Colorado at Boulder “The Case for Mars”
Mars Direct
Footsteps to Mars
Great Exploration Project
90’s NASA had 10+ different plans

2000’s
- SERP
- DTP/NEXT
- NEP Gravity
- DRA 5 (nee’ DRM 1, 3, 4)
- MARSPOST
- ESA Aurora Program
- ESA/Russia plan
- European Mars Mission
- China: “Mission to Mars and Beyond”
- 2-4-2 (SRE approved)
- Dutch commercial: Mars One (landing in 2023! With a reality TV show!)
- Inspiration Mars Foundation
- “Boeing Affordable Mission”
- “Journey to Mars”
- “Moon to Mars”
- SpaceX “Red Dragon” landing in 2018! (wait, now 2022)
- Mars Base Camp
- Deep Space Transport

Current predictions: NASA 2030’s, Russia early 2040’s.
Let’s get going.
YEARS OF ADVANCE NOTICE!

NO EXCUSES
Spread your upgrades like peanut butter.

Commit to TWO OSes to support.
12 months
– Vacations
– Holidays
– Slow periods
– Release freezes

= 9 usable months
1-3 months validating & prepping your environment
New installs of old OS forbidden!
1,000 servers
120 working days
10 servers per day!
Validate your software first.
# apt-get update;
# apt-get dist-upgrade;
# do-release-upgrade
# _
Your_metric{
    region=eu,
    hostname=a,
    os-release=20.04LTE,
    os-bin=a7,
    ...
} 31337

Easy dashboarding!
$ echo $HOSTNAME \
  | {md5,sha*}sum \
  | cut -c 1-2
A8

$ _
$ dig os-bin.example.com IN TXT \\
| grep -v \;
os-bin.example.com. 3580 IN TXT "7e"
$ _

Today's max bin number!