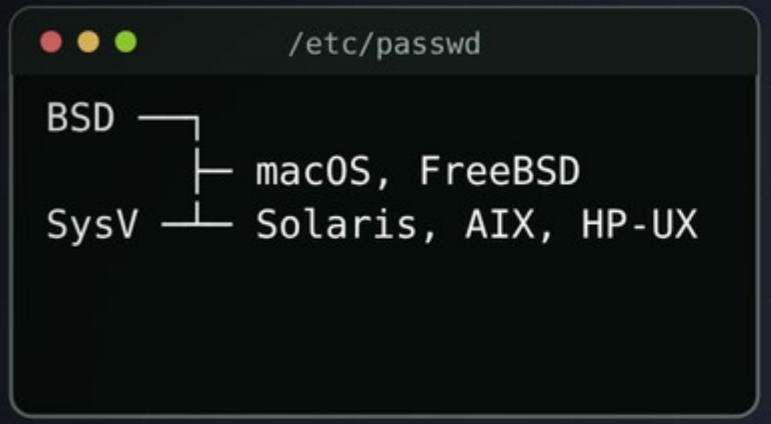
LESSON 2



UNIX

UNIX Family Tree



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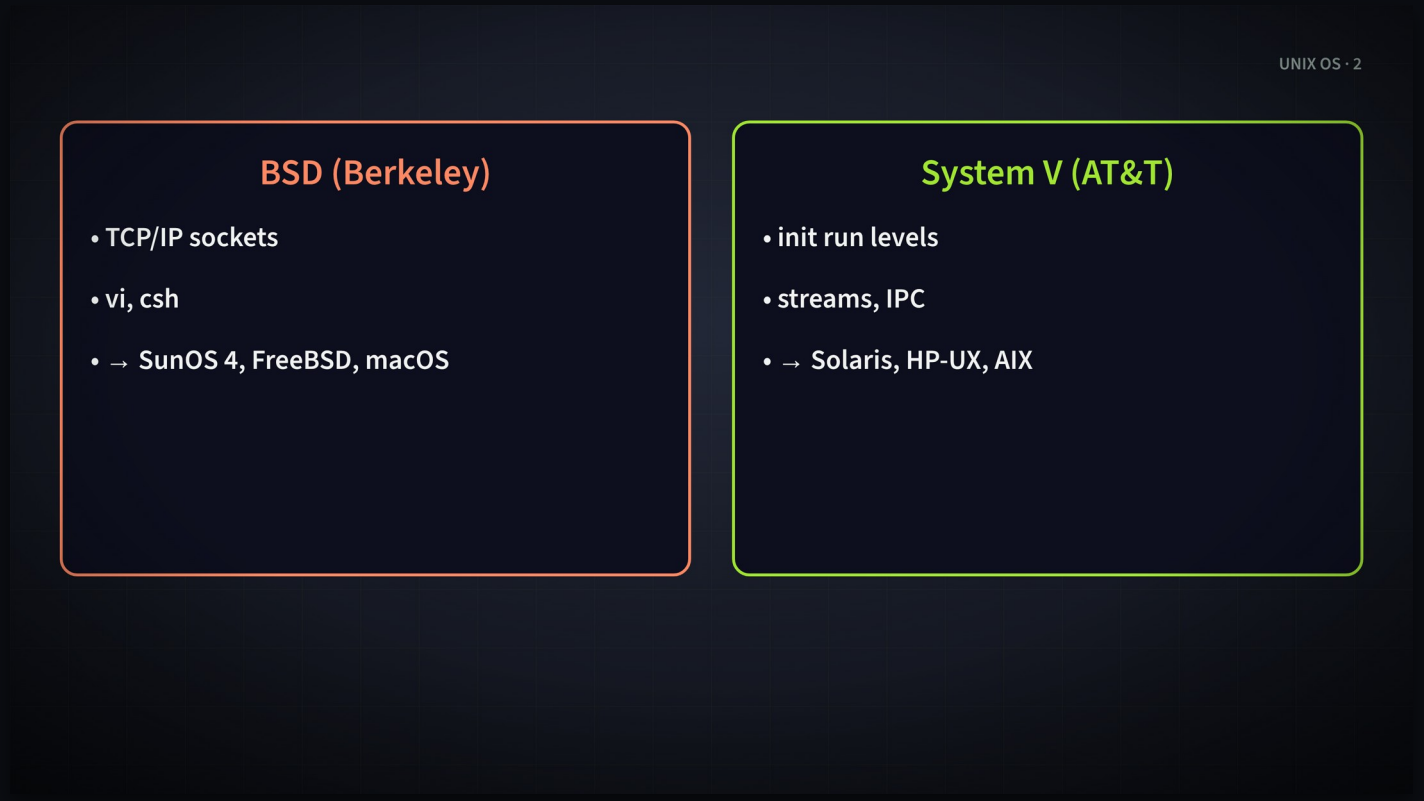
UNIX OS

LESSON 2

The UNIX Family Tree

System V vs BSD, the commercial UNIX wars, open-source BSDs and Linux

Two Great Branches



- AT and T licensed UNIX to universities and companies. The University of California at …
- AT and T's own commercial line became System V. Most later systems descend from one branch …

01

The Commercial UNIX Era

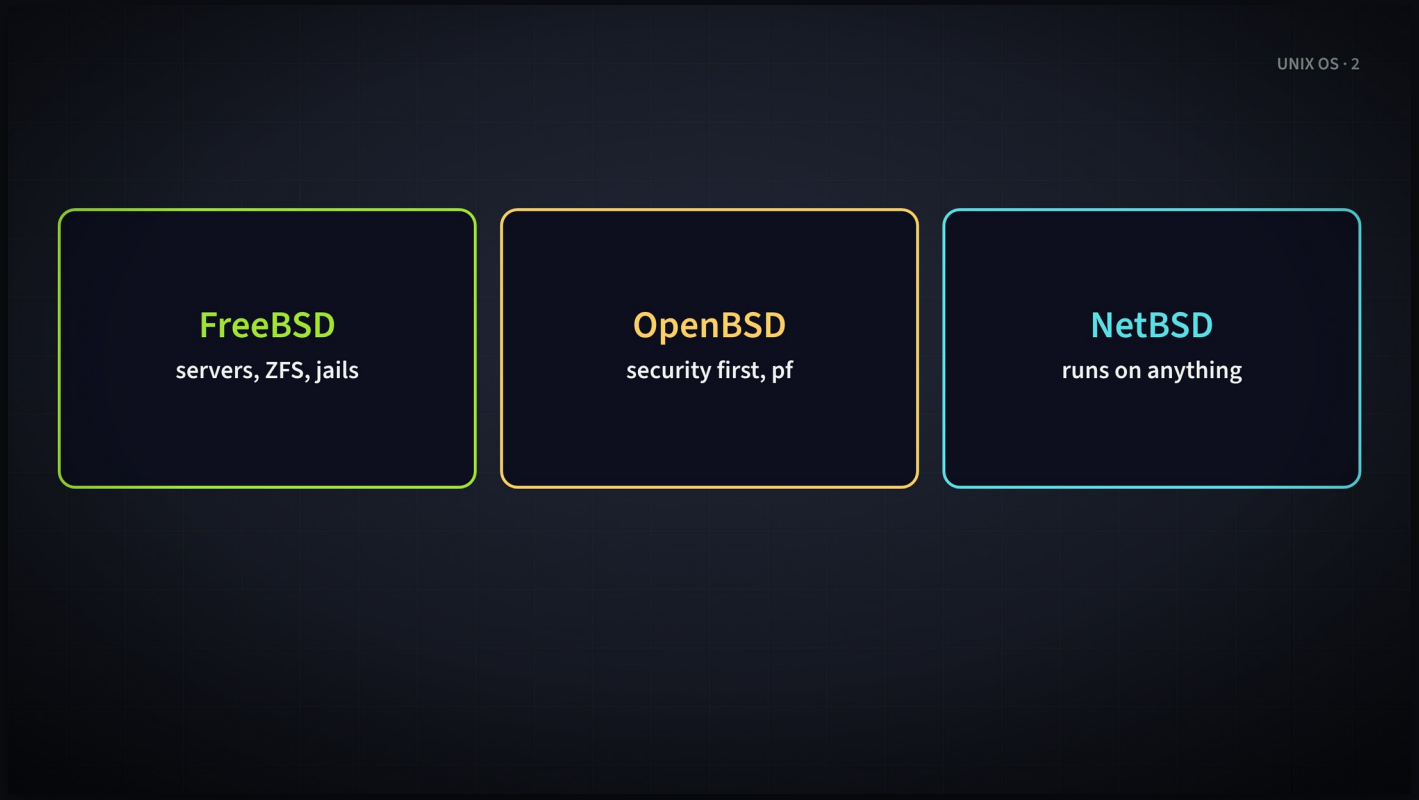
UNIX OS · 2

Vendor	UNIX	Hardware
Sun / Oracle	SunOS, Solaris	SPARC, x86
HP	HP-UX	PA-RISC, Itanium
IBM	AIX	POWER
Digital (DEC)	Ultrix, OSF/1, Tru64	VAX, MIPS, Alpha
Intergraph	CLIX	Clipper
SGI	IRIX	MIPS

- In the 1980s and 1990s every workstation maker shipped its own UNIX: Sun had SunOS and then …
- They competed hard, and small incompatibilities between them were called the UNIX wars.

02

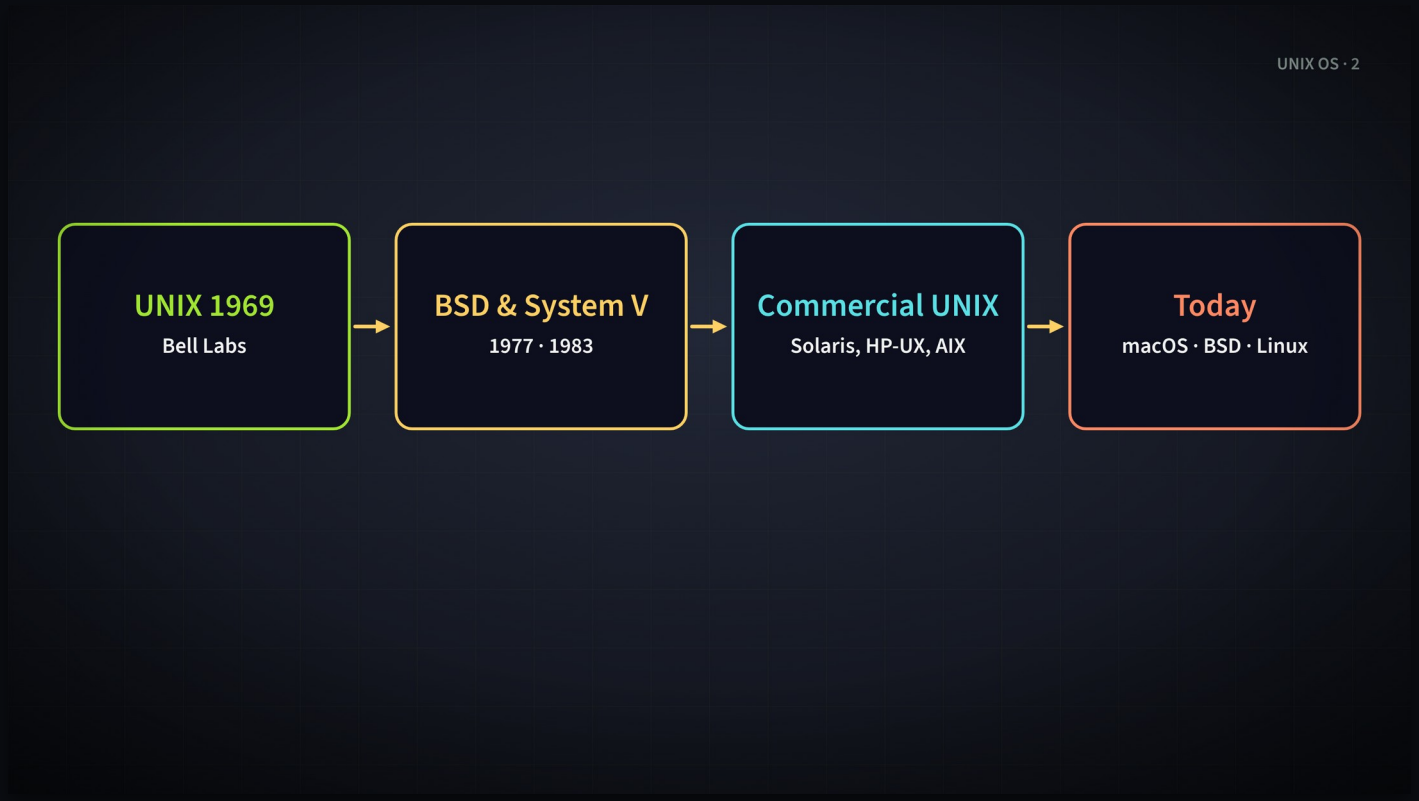
The Open-Source BSDs



- FreeBSD — servers, ZFS, jails
- OpenBSD — security first, pf
- NetBSD — runs on anything

03

Where Linux Fits



- UNIX 1969 — Bell Labs
- BSD & System V — 1977 · 1983
- Commercial UNIX — Solaris, HP-UX, AIX

04

UNIX Today

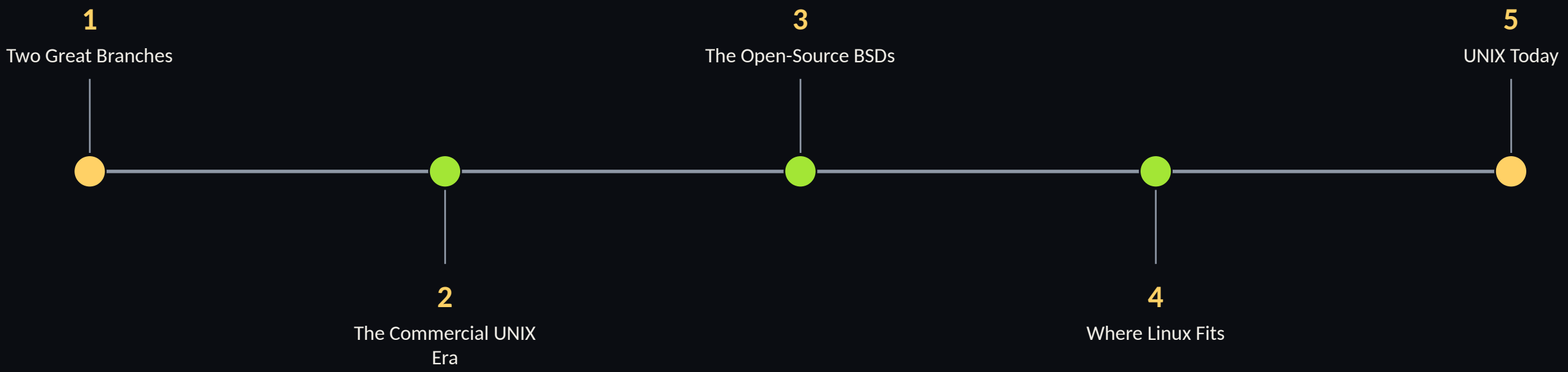
UNIX OS · 2

System	Where it lives today
macOS	laptops and desktops
AIX	banks, ERP on IBM POWER
Solaris	telecom, Oracle databases
FreeBSD	CDNs, storage, consoles
HP-UX	legacy, migrating

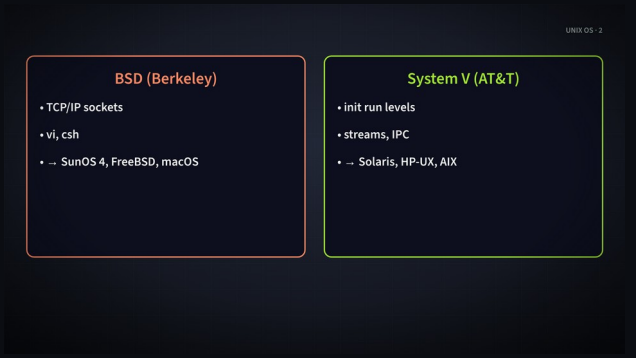
- macOS runs on hundreds of millions of Macs. AIX and Solaris still run banks, airlines and …
- Many companies are migrating old UNIX systems to Linux, so administrators who understand …

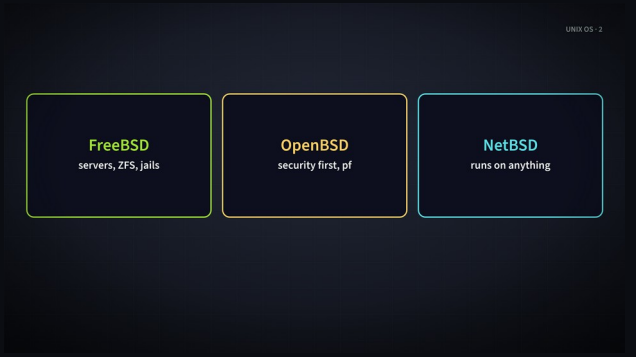
05

Lesson Map


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Two Great Branches
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The Commercial UNIX Era
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The Open-Source BSDs
4
Where Linux Fits
5
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Sources and Further Reading





Thank you for watching

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