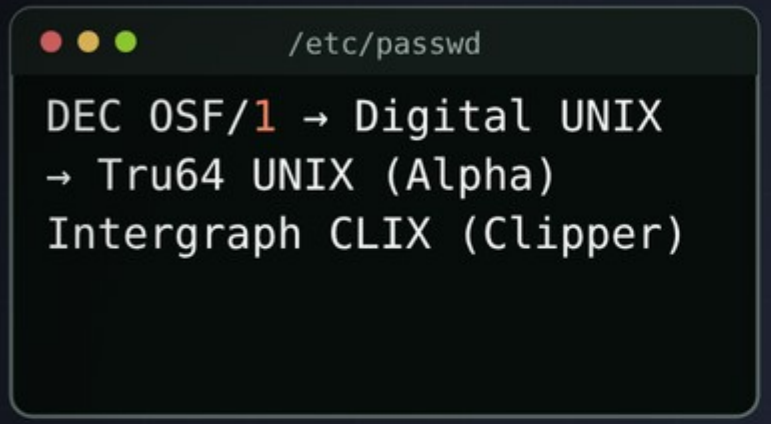
LESSON 9



UNIX

OSF/1 · Tru64 · CLIX

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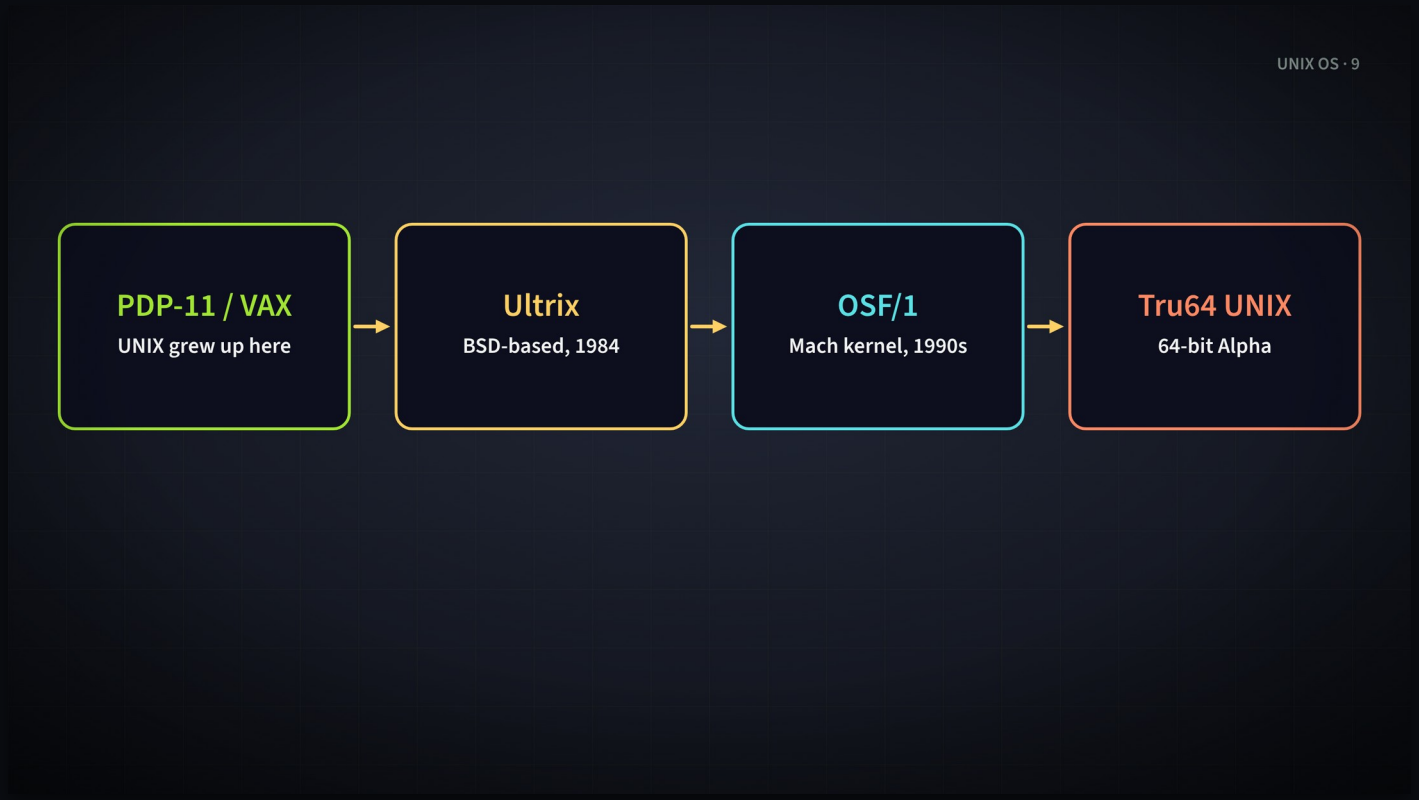
UNIX OS

LESSON 9

Historic UNIX: DEC OSF/1, Tru64, Intergraph CLIX and More

Ultrix, OSF/1 to Digital UNIX to Tru64 on Alpha, Intergraph CLIX on Clipper, IRIX, and lessons fo

Digital: Ultrix and OSF/1



- PDP-11 / VAX — UNIX grew up here
- Ultrix — BSD-based, 1984
- OSF/1 — Mach kernel, 1990s

01

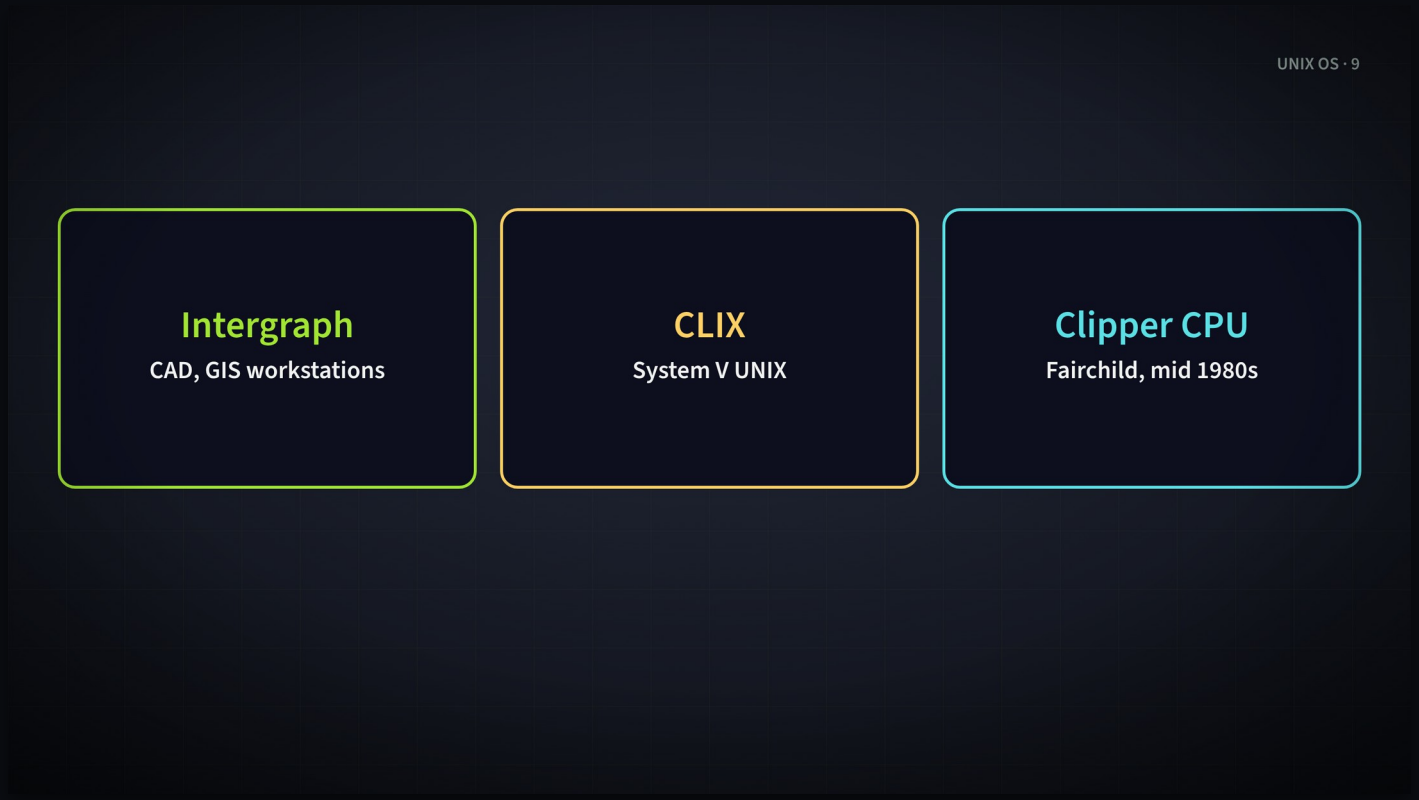
OSF/1 → Digital UNIX → Tru64

Name	Era	Owner
DEC OSF/1 AXP	early 1990s	DEC
Digital UNIX	mid 1990s	DEC
Tru64 UNIX	1999 onward	Compaq → HP
AdvFS, TruCluster	advanced features	ahead of their time

- DEC shipped OSF/1 for its 64-bit Alpha processor in the early 1990s, one of the first true …
- Its TruCluster and AdvFS file system were ahead of their time. HP ended Tru64 in the 2010s, …

02

Intergraph CLIX on Clipper



- Intergraph — CAD, GIS workstations
- CLIX — System V UNIX
- Clipper CPU — Fairchild, mid 1980s

03

SGI IRIX and Others

System	Hardware	Legacy today
SGI IRIX	MIPS	XFS file system
NeXTSTEP	68k, x86	macOS
Tru64	Alpha	64-bit UNIX design
CLIX	Clipper	CAD/GIS on UNIX
SCO / Xenix	x86	UNIX on PCs

- Silicon Graphics' IRIX powered 3D graphics and Hollywood visual effects on MIPS …
- Others included SCO UNIX on PCs, NeXTSTEP, and Xenix. Each left something behind in the …

04

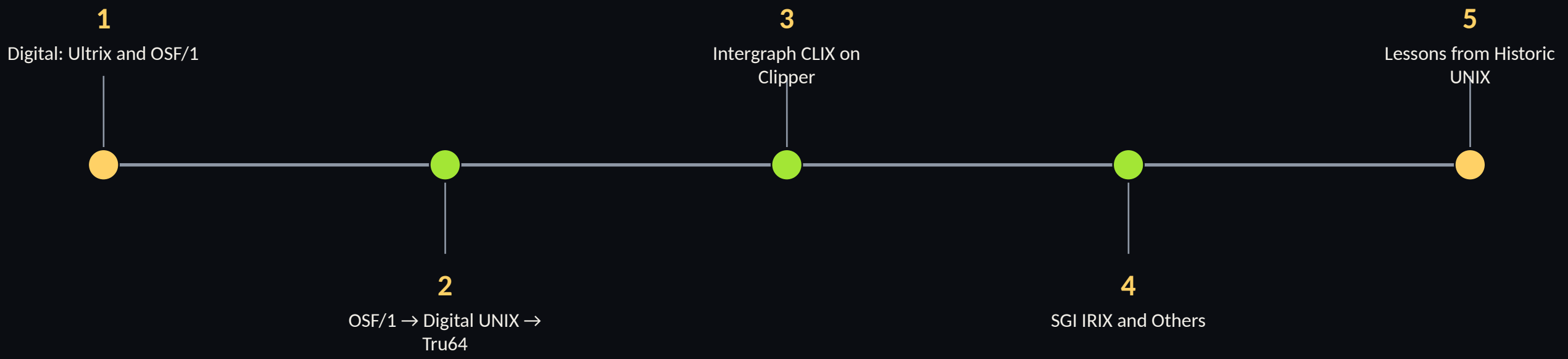
Lessons from Historic UNIX



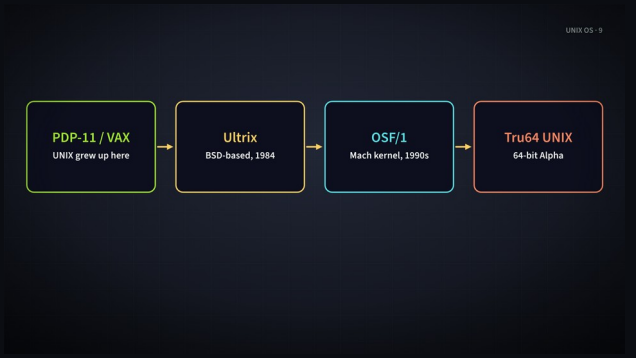
- Hardware came and went: VAX, Alpha, Clipper, MIPS, PA-RISC. The UNIX ideas survived because …
- That is the real lesson: learn concepts and POSIX, not one vendor's quirks. Emulators like …

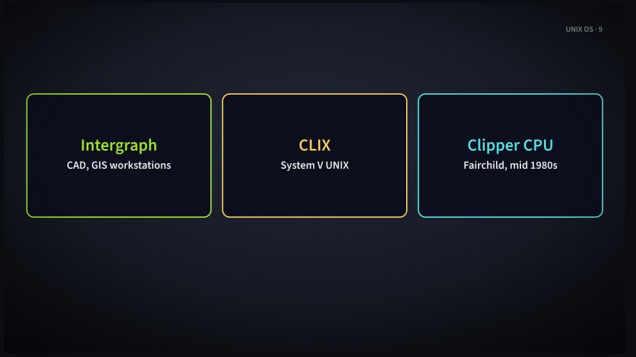
05

Lesson Map


1
Digital: Ultrix and OSF/1
2
OSF/1 → Digital UNIX → Tru64
3
Intergraph CLIX on Clipper
4
SGI IRIX and Others
5
Lessons from Historic UNIX

Sources and Further Reading





Thank you for watching

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