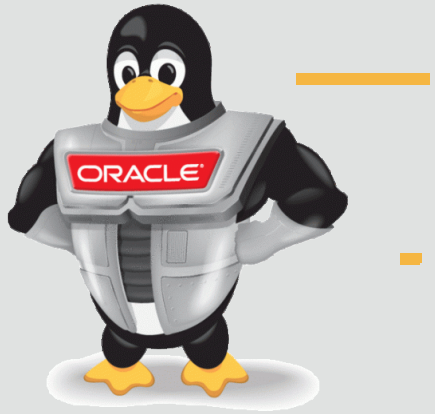
ORACLE

Oracle Linux

Distros meeting



David Fernandez Gonzalez
Oracle Linux Product Security team

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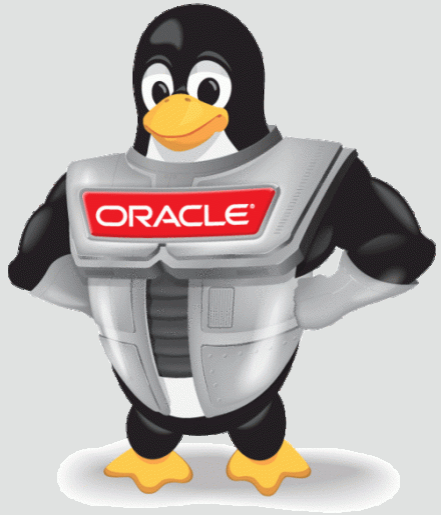
Oracle Linux distribution

RPM packages



CentOS Stream based

UEK

(Unbreakable Enterprise Kernel)

https://www.oracle.com/linux/

https://linux.oracle.com/security/

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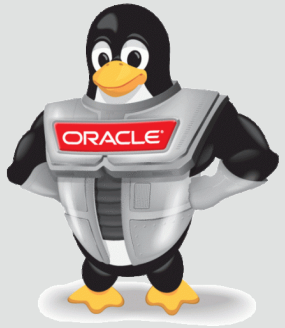
Teams & Organization



OLPS team

Security focus

UEK team

Kernel focus

Userspace team

Userspace focus

GPS

GIS

OCI Security

ULN

SecAlert

https://www.oracle.com/corporate/security-practices/corporate/governance/

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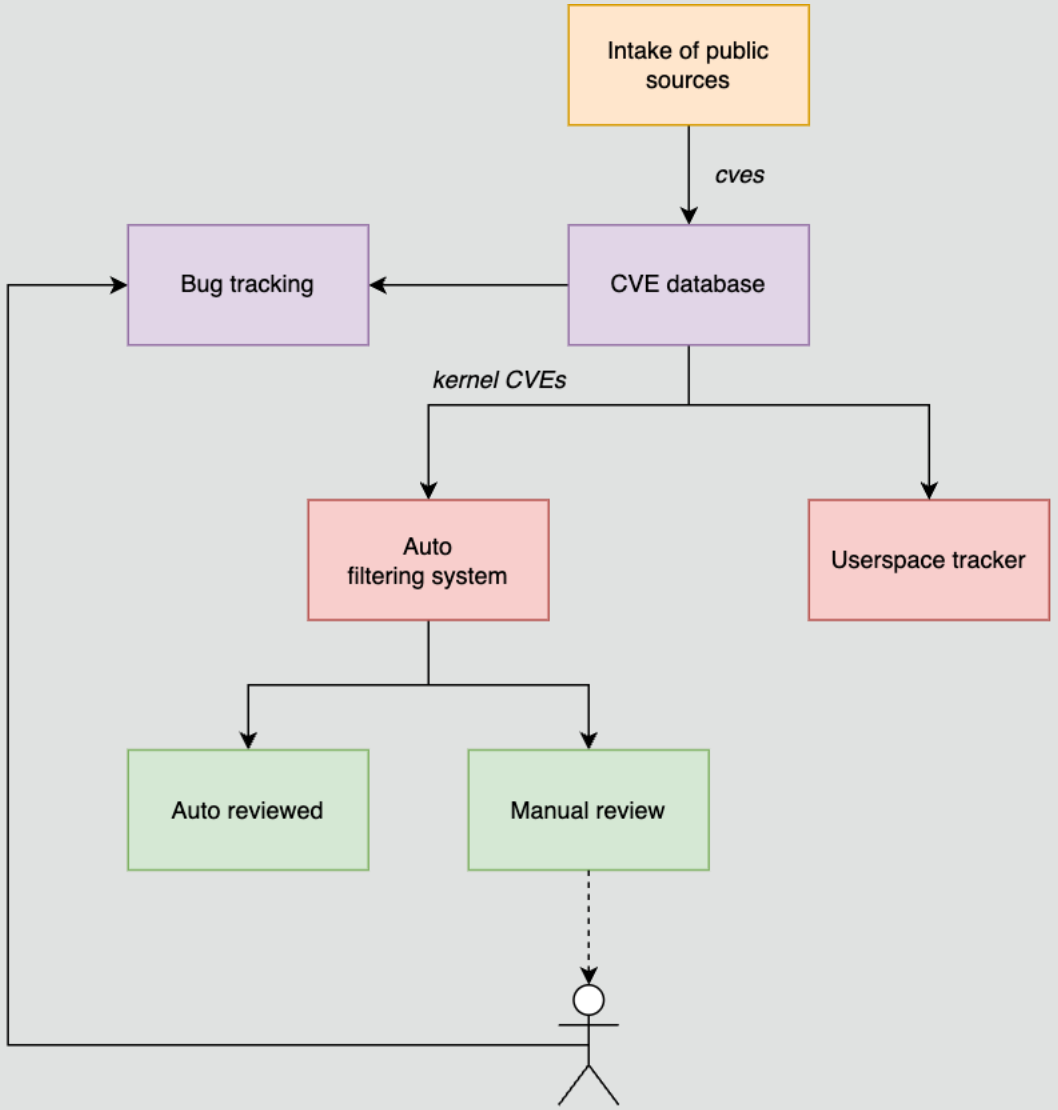
CVE tracking

Intake & Storage

Auto analysis

Manual analysis



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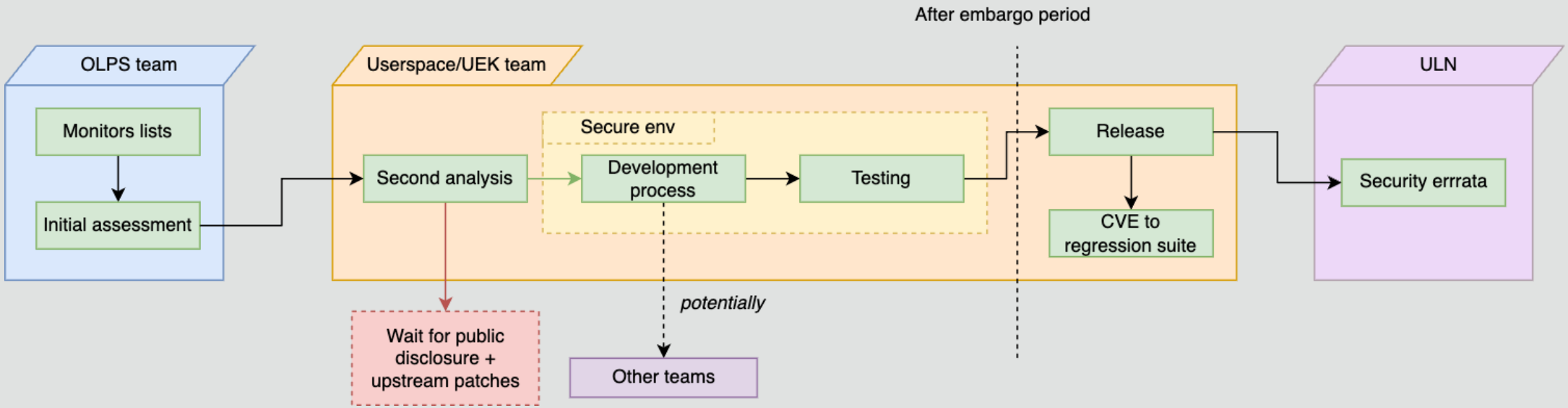
CVE tracking - Embargoed



All communications and processes follow internal embargo procedures

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CVE scoring

Critical

- Easily exploited
- Default configuration
- No user interaction
- Unauthenticated remote attacker
- Complete system compromise

Important

- Easily exploited
- Supported configuration
- High impact

Moderate

- Unusual supported configuration
- Harder exploitation circumstances
- Result in an impact

Low

- Difficult practical exploitation
- System protections protect the system

https://linux.oracle.com/security/classification/index.html

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CVE patching

Userspace & Kernel

Ksplice®

Upstream fixes

with internal testing

+

Internally developed fixes

https://ksplice.oracle.com/

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Security advisories & documents

ELSA

Security advisories

ELBA

Bug advisories

ELEA

Enhancement advisories

OVAL

CSAF VEX

https://linux.oracle.com/errata
https://linux.oracle.com/security/oval/
https://linux.oracle.com/csaf/

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Proactive efforts

Userspace

Code reviews
Configuration hardening
Continuous scans of source code and artifacts
Regression testing

Linux Blogs

OpenELA

Kernel

Upstream contributions
Regression testing
Fuzzing
Static analyzers
Backport contributions
FIPS 140-3

https://lore.kernel.org/all/20250904155216.460962-1-vegard.nossum@oracle.com/
https://blogs.oracle.com/linux/post/fips-1403-for-the-linux-kernel
https://openela.org/

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https://blogs.oracle.com/linux/post/chart-topping-contributions-to-linux-kernel

Point of contact

SecAlert

secalert_us@oracle.com

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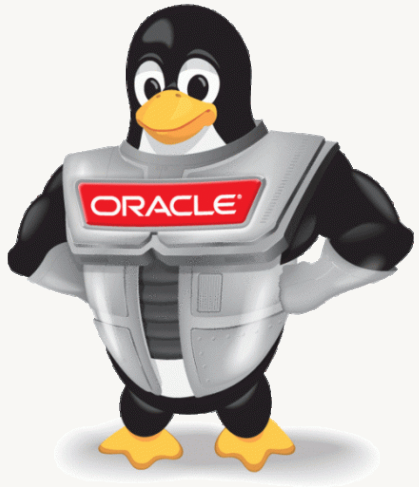
https://www.oracle.com/corporate/security-practices/assurance/vulnerability/reporting.html

Thanks! Questions?



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