Diskover

SOLUTION BRIEF | INSIGHTS DASHBOARD | SEMICONDUCTOR & EDA

Every file has a value. Now you can see it.

See what is irreplaceable, what simulations can rebuild, and what old tapeouts still cost to store.

RESULTS WITH DISKOVER AT A GLOBAL SEMICONDUCTOR COMPANY

MILLIONS saved on storage each year

103B+ files indexed

4,000 engineers supported

At a glance

KEY CHALLENGES

Chip teams keep layouts, tapeouts, simulations, and logs on many systems. Regression runs pile up on fast storage, and nobody is sure what is safe to remove.

THE SOLUTION

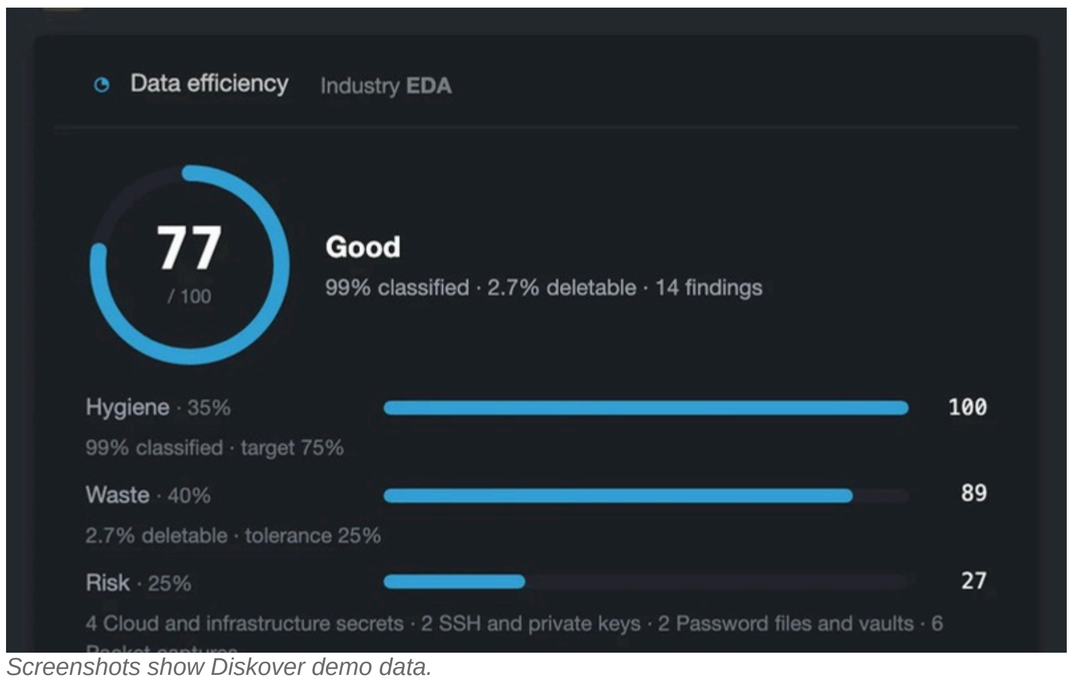
The Insights dashboard groups storage by its role in the design flow, from IP and layouts to waveforms and scratch. It reads metadata only, never file content.

WHY IT MATTERS

Protect tapeouts and IP, clear what a simulation can rebuild, and move old tapeouts to lower-cost storage before you buy more.

See how healthy your storage is





Screenshots show Diskover demo data.

FIVE KEY NUMBERS

Total size, crown jewels, reclaimable spend per year, cold data, and annual cost. The storage cost rate is a default that you change in Insights settings.

A SCORE OUT OF 100

Hygiene, waste, and risk combine into one efficiency score. The demo estate scores 77, rated Good. The score is a guide, not an audit.

READY AFTER THE FIRST SCAN

No tags or plugins to set up. Statistics update after each scan, and administrators choose the EDA profile in settings.

About Diskover

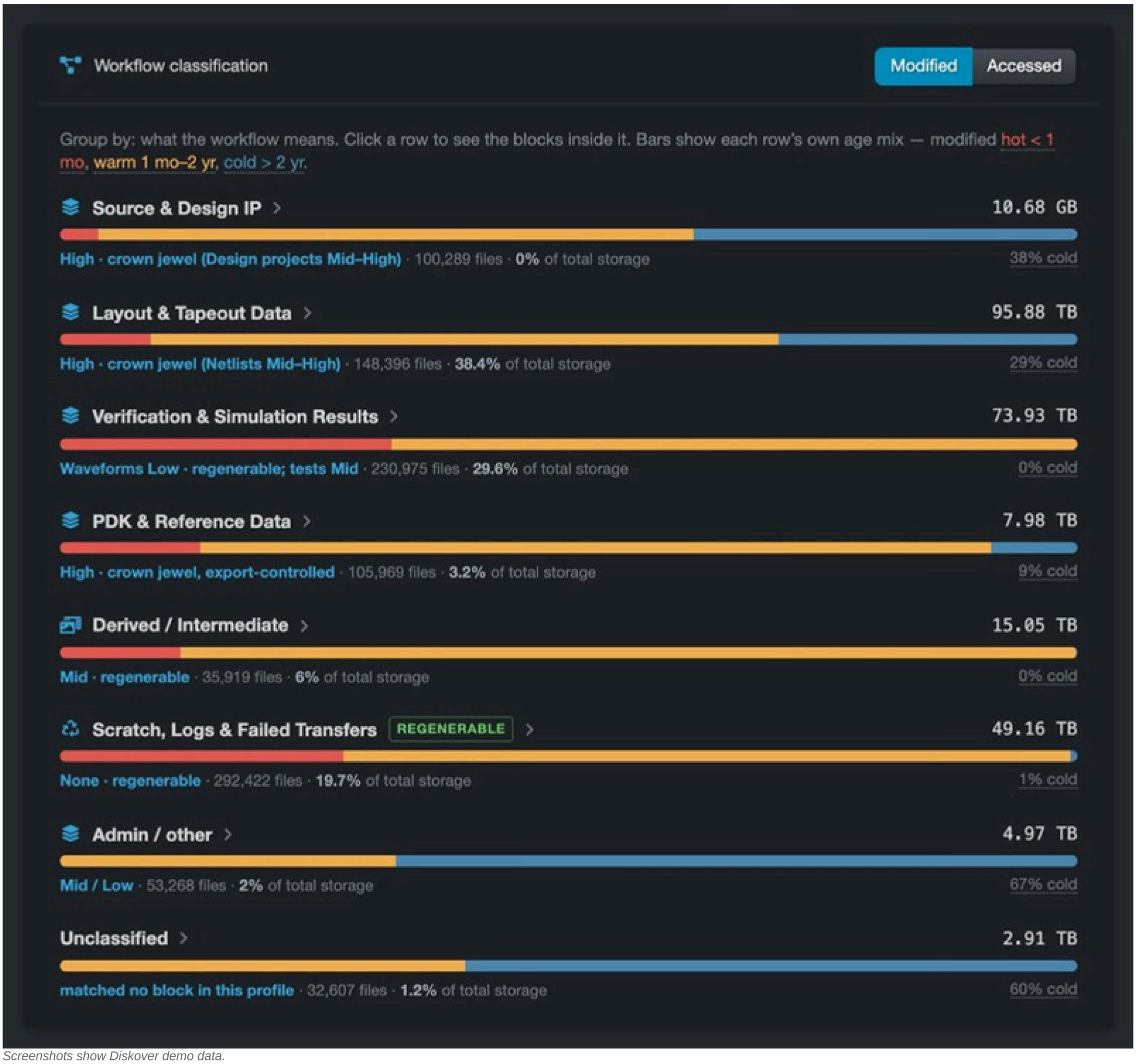
Diskover helps enterprises structure unstructured data across cloud, on-prem, and edge environments, making it easier to search, govern, optimize, and deliver file data for compliance, analytics, and AI-ready workflows.

Contact

diskoverdata.com
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(800) 560-5853
San Jose, CA

Sort your design data by what it is worth

Workflow classification groups storage by its role in the design flow, gives each group a value tier, and shows how old it is. Design IP, layout and tapeout data, and PDKs are crown jewels. Waveforms, intermediate files, and scratch can be rebuilt. Groups are found from metadata only. For example, layouts are .gds, .oasis, .lef, or .def files in folders such as /layout/ or /pnr/.



Screenshots show Diskover demo data.

CROWN JEWELS FIRST

Layout and tapeout data fills 38% of the demo estate. Insights also finds PDKs, a data type that is usually export-controlled. **These are the files to protect before any cleanup.**

OLD TAPEOUTS ON DISK

Tapeout packages take 42.8 TB in the demo, and 65% of them are cold. **That is finished work still sitting on primary storage.**

REBUILD IT, DO NOT KEEP IT

Scratch, logs, and failed transfers fill about 20% of the demo estate. **Scratch and failed transfers are the first to clear.**

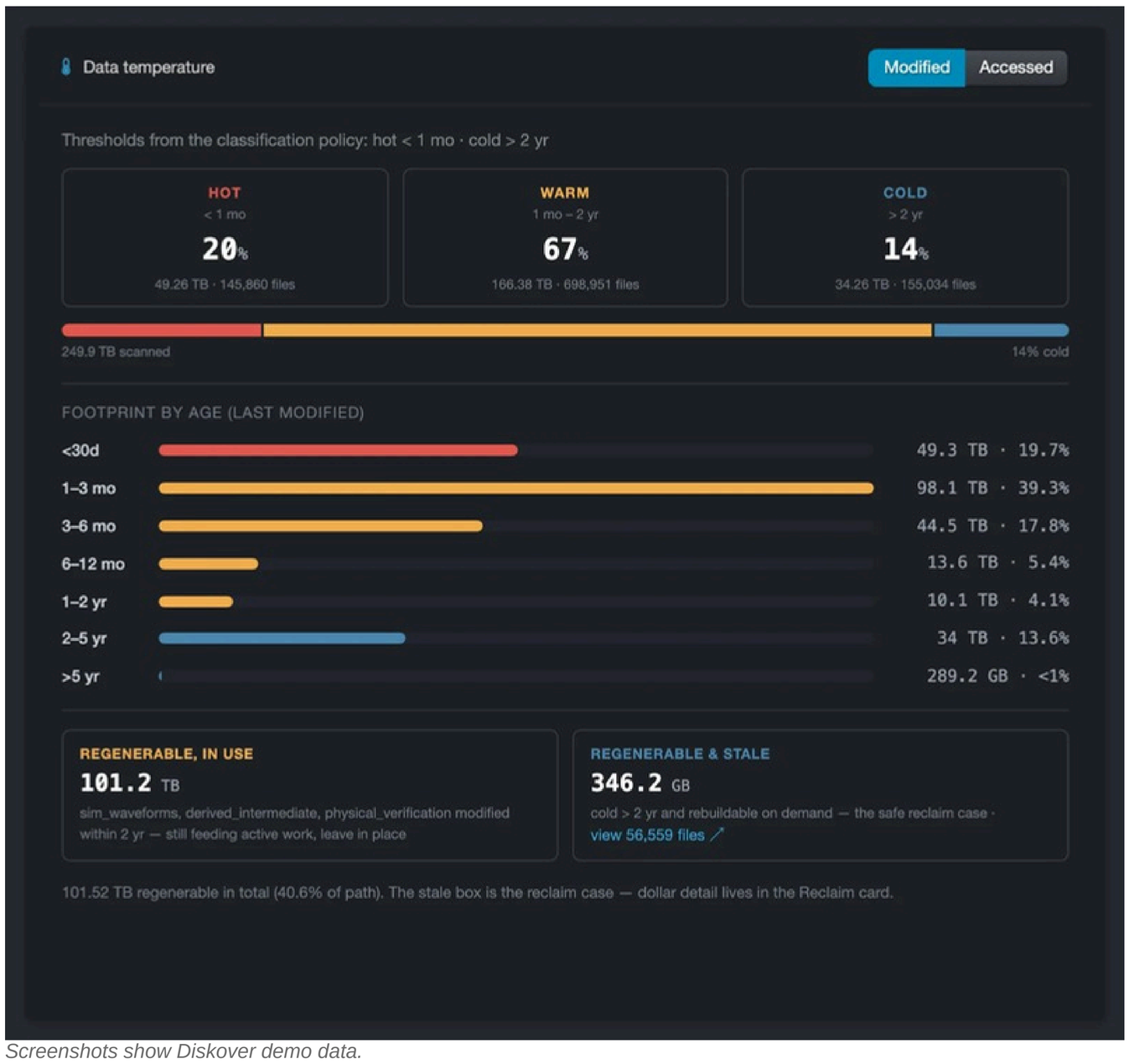
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Find what you can rebuild or remove



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Data temperature shows how much design data is idle. Reclaim shows how much of it is waste, and what it costs each year.

HOT, WARM, AND COLD

In the demo, 20% of design data is hot and 14% is cold. Administrators set the age limits in Insights settings.

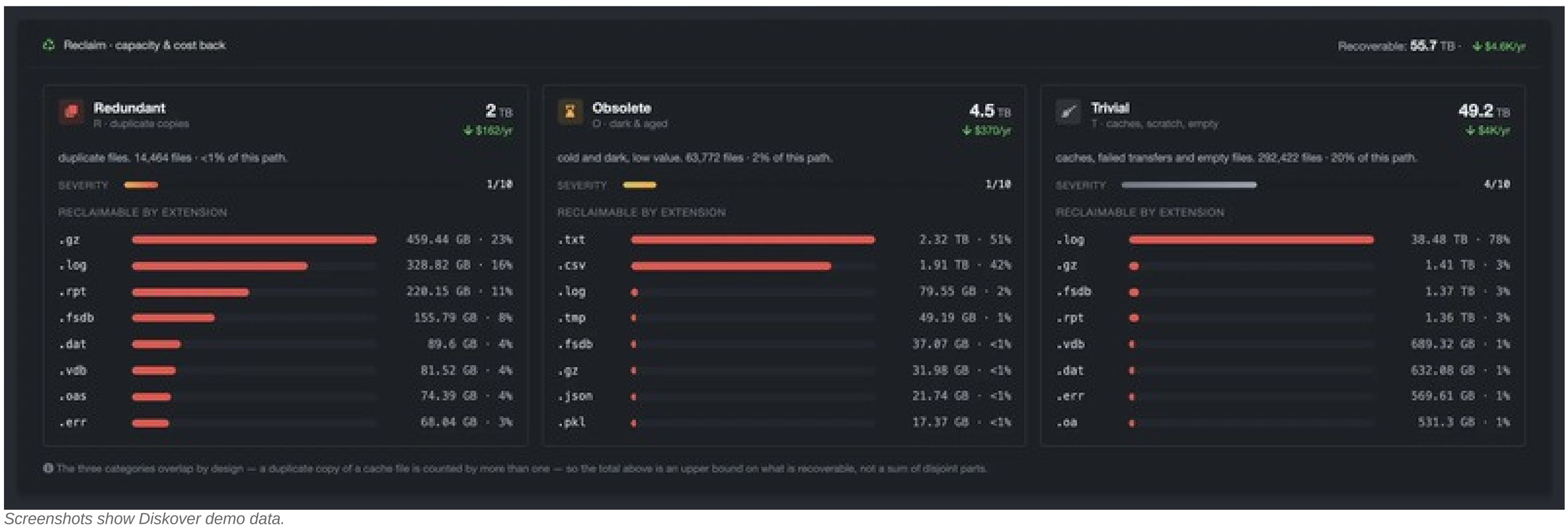
REBUILDABLE FILES, IN USE OR STALE

Waveforms and intermediate files still in use are kept apart from stale ones, so you clear only what is safe to clear.

49.2 TB OF TRIVIAL DATA

In the demo, most of it is logs. Log files alone take 38.5 TB, or 78% of the trivial total.

See what you can reclaim



Screenshots show Diskover demo data.

REDUNDANT, OBSOLETE, AND TRIVIAL

Reclaim sorts wasted space into three groups and shows the size, yearly cost, and top file types for each. In the demo, 55.7 TB is recoverable, about $4.6K a year. The groups can overlap, so the total is an upper bound.

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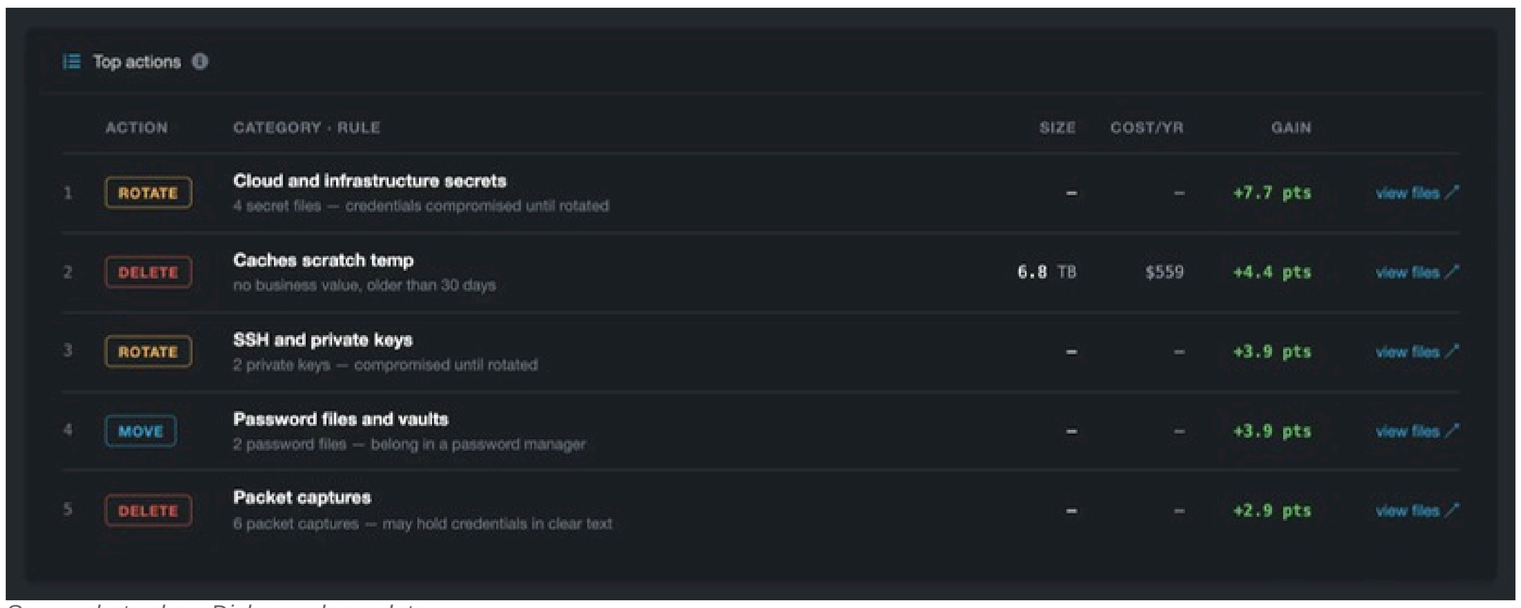
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Which fix to make first

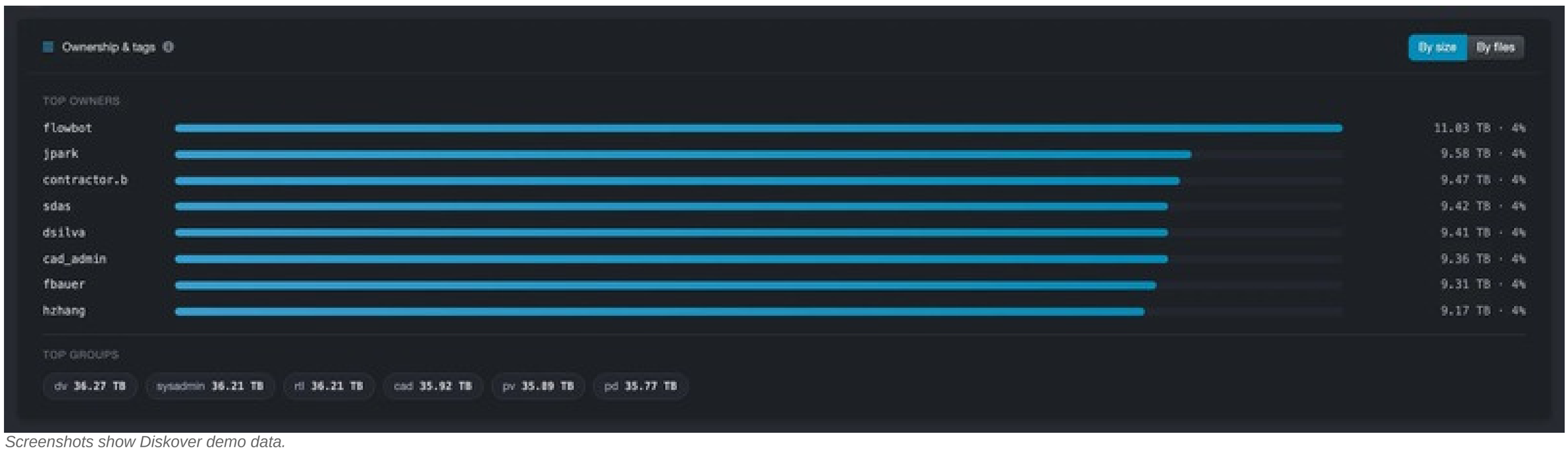
Top actions ranks every fix by what it is worth. Each one (delete, move, or rotate) shows its size, its yearly cost, and the score points it adds. Diskover policies then do the work on the schedule you set.



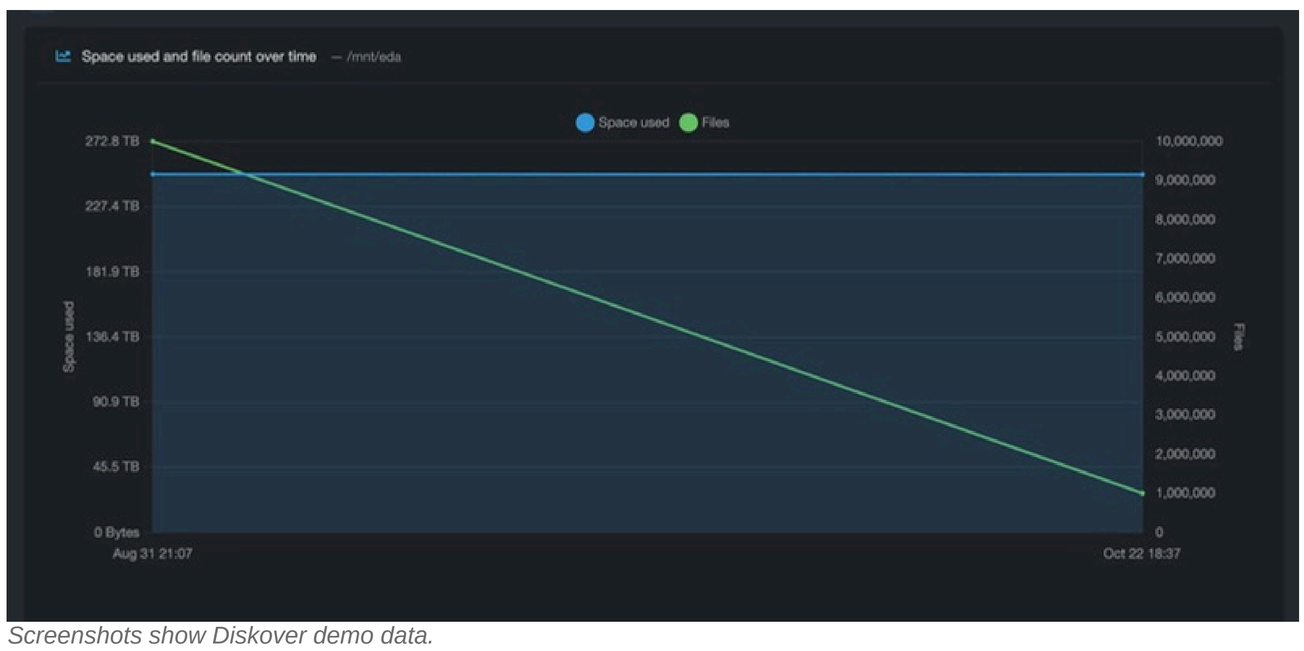
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See who owns it, and how fast it grows

Design storage is shared by RTL, verification, physical design, and CAD teams, plus automation accounts, so nobody owns the bill. Ownership shows which teams hold the most space, and Space used over time shows how fast it grows.



Screenshots show Diskover demo data.



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SPACE BY TEAM

In the demo, the largest groups are dv, sysadmin, rtl, cad, pv, and pd. The largest single owner is flowbot, an automation account.

GROWTH YOU CAN PLAN FOR

Capacity and file count over time show how fast storage grows, so your next purchase is based on facts, not guesses.

GO FURTHER WITH THE AI CONNECTOR

With the optional AI Connector, administrators ask questions about their storage in plain language and get answers from the same data. Every action it proposes waits for human approval.

GET STARTED

Ready to see it on your design data?

Start with a 30-day proof of concept on your own data, and recover your investment in 3 to 6 months.

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