

— READ-ONLY SCANNING · DUPLICATE, STALE & PII DETECTION

Because you can't secure what you can't see.

Unmanaged storage hides unprotected data, compliance risk and wasted cost. Esii FilesAnalytiq continuously scans your storage to expose wasted space, orphaned data, permission problems and hidden personal data (PII) risks, leaving your files, folder structures and daily work completely untouched.

● 100% Read-Only Scanning

● File Permission Auditing

● AI + Mathematical PII Detection

● Ghost Data & Orphaned Accounts

● SHA-256 Duplicate Detection

● OneDrive Integration

THE PROBLEM

Company files are scattered across laptops, file servers, NAS devices and shared folders, and nobody knows how much storage is wasted or how much sensitive data is sitting exposed inside it.

01 Massive enterprise storage is wasted on duplicate and stale data.

Identical file copies, duplicate downloads, abandoned project folders and repeated backups pile up across computers and shared drives. IT teams struggle to find this waste manually, driving up storage costs and slowing down backups.

02 Exposed files in unprotected folders create compliance risk.

Customer, vendor and employee personal data - Aadhaar, PAN, Voter ID, Passport, Driving Licence, bank details and GST numbers - often sits unprotected on laptops and shared folders. Without a way to verify this automatically, organisations risk serious penalties under DPDP, GDPR, PCI-DSS and ISO-27001.

03 Loose folder permissions make sensitive files easy to reach: a “double hazard”.

When a folder holding sensitive data is also open to “Everyone” or “All Staff”, any employee, or any hacked account, can reach it. Esii FilesAnalytiq shows both risks together on one dashboard, so security teams know exactly what to fix first.

04 Files left behind by former employees create hidden security risks.

When someone leaves a company, their old files and folder permissions are often never cleaned up. These orphaned files are a security blind spot and an untracked storage cost, while permissions quietly get looser the longer nobody reviews them.

25-40%

Typical Storage Reclaimed

100%

Read-Only, Zero File Changes

0

Files Moved, Copied or Altered

WHAT ESII FILES ANALYTIQ DOES

Esii FilesAnalytiq is a lightweight scanning tool that finds duplicate files and exposed personal data across your storage, without moving, copying or changing a single file.

Scans Your Storage, Wherever It Lives

Lightweight agents run locally on your file servers, NAS devices, shared folders and workstations. All analysis happens on that same device - files and their content are never sent anywhere. Only a small status update reaches the dashboard, and each file's original access timestamp is preserved so backups are never disturbed.

AI and Maths Together, to Avoid False Alarms

Mathematical checks confirm valid Aadhaar, PAN, Voter ID, Passport, Driving Licence, bank and card numbers, while an AI reading model recognises names, companies and locations in ordinary text, plus passwords and secret keys left in documents. Together, far fewer false alerts than a keyword search.

Looks Inside Documents, Not Just File Names

The tool opens and reads Word, Excel, PDF, CSV and text files, and even emails, so personal data hidden inside a contract or attachment never slips through. Very large files are intelligently sampled so scanning stays fast.

Shows Exactly Which Files Are a Risk

Every file gets a sensitivity score - Critical, High, Medium or Low - based on what is inside it. That score is checked against the folder's permissions, so a highly sensitive file sitting in an open folder is flagged immediately as a top-priority risk.

WHAT ESII FILES ANALYTIQ DOES

It also finds what most tools miss. Duplicate files, ghost accounts and data quietly ageing on your storage.

Finds Files Left Behind by Former Employees

The tool checks who technically owns each file and folder and cross-references that against your active employee list. Files owned by disabled or deleted accounts are flagged as "ghost data" - forgotten, unmonitored and often still carrying old permissions.

Explore "How Old Is Too Old" With a Simple Slider

Instead of a fixed cut-off, administrators drag a slider anywhere from 0 days to 10 years and instantly see how many files fall into that "stale" bucket, how much storage they take up, and how much could be reclaimed by archiving them.

Finds Exact Duplicate Files, Safely

Every file is given a unique digital fingerprint (a hash). Two files with the same fingerprint are guaranteed to be identical, letting IT teams clean up duplicate storage without opening or comparing files by hand. Re-scans skip unchanged files, so it stays fast over time.

Identifies Who Owns Each Flagged File

Every flagged file — duplicate, stale or exposed — is matched back to the employee account that owns it. Clean-up requests go straight to the right person, instead of a generic IT ticket that takes time to route.

HOW IT WORKS

Three simple steps, from scan to insight.

1

A lightweight agent scans your storage.

The agent runs on your Windows file servers, NAS devices and workstations, working through files in the background without disrupting normal use. It skips unchanged files on repeat scans to save time and system resources.

2

An AI and mathematical engine checks for risk.

Each file is checked for sensitive content using the checksum methods and AI reading model described earlier, ruling out false positives. Files that combine sensitive data with loose folder permissions are flagged immediately as a highpriority risk.

3

Results appear on your dashboard in real time.

A small, encrypted status update is sent to your central dashboard as each file is processed. IT and security teams get an immediate, live view of wasted space, stale files and exposed files, with no manual report-building required.

ANOTEON WHAT THE SCANNER SKIPS

To respect existing security settings and keep scans fast and lightweight, the tool automatically skips password protected files, encrypted archives and restricted system files during a scan.

KEY FEATURES

A summary of every capability that keeps your storage clean, safe and accounted for.

Storage-Wide Scanning

Lightweight local agents scan file servers, NAS, SMB shares and workstations, preserving original timestamps so ackups are never disrupted.

AI + Mathematical PII Detection

Checksum logic for Aadhaar, cards, PAN, Voter ID, Passport, IFSC, IBAN and GSTIN, combined with an AI reading model, for reliable compliance evidence.

Deep Content Inspection

Reads inside Word, Excel, PDF, CSV, text and email files, not just file names, with smart sampling for large files.

Duplicate File Detection

SHA-256 fingerprinting finds exact duplicate files sitting in wasted space, typically reclaiming 15–40% of storage.

File Permission Checks

Flags folders open to too many people, so “double hazard” files are fixed first.

Risk Scoring

Cross-checks every file’s sensitivity against its folder permissions to rank exactly what to fix first.

Ghost Data & Orphaned Accounts

Matches file owners against the active employee directory to flag data left behind by departed staff.

Live Dashboard Updates

Encrypted, real-time status updates give IT and security teams instant visibility, with no manual reporting.

OneDrive Integration & Archiving

Connects to Microsoft OneDrive alongside on-premise storage, with archive actions built into the dashboard.

STORAGE USAGE & CAPACITY ANALYTICS

Storage usage is reported per file server and overall, split into active, duplicate and stale categories, plus file types and top consumers - giving IT a complete picture without building separate manual reports.

WHO BENEFITS MOST

Organisations with large amounts of unorganised file data get the most value from Esii FilesAnalytiq.

CISOS & INFORMATION SECURITY TEAMS

Know exactly where to focus first

Loose folder permissions leave sensitive data open to internal misuse, hacked accounts or ransomware. The dashboard shows permissions side by side with sensitised data findings, so security leaders can revoke overly broad access before it is exploited.

DATA PROTECTION OFFICERS & COMPLIANCE LEADERS

Verifiable evidence, without manual checking

Exposed files carrying personal data sit scattered across unsecured folders and laptops. The tool automatically finds Aadhaar, PAN, Voter ID, Passport and card numbers and tags them against DPDP, GDPR, PCI-DSS and ISO-27001.

IT & INFRASTRUCTURE TEAMS

Free up disk space with confidence

Storage budgets are eaten up by duplicate backups and old project files. Duplicate detection identifies identical copies across every server and device, typically reclaiming 15–40% of primary storage, without deleting anything by accident.

HR, LEGAL & OPERATIONS TEAMS

Employee records, monitored and matched

ID proofs, banking details and appraisal documents are often scattered across local drives and shared folders. Personal data in HR folders is monitored for compliance and matched to the employee who owns it, all scanned locally.

WHERE FILESANALYTIQ CONNECTS AND WHAT IT CHECKS

STORAGE SOURCES SCANNED

Windows File Server

On-Premise NAS

CIFS / SMB Network Shares

DFS Namespaces

Employee Workstations (Windows 10 & 11)

Linux-Hosted Samba Shares

Microsoft OneDrive

HOW PERSONAL DATA IS VERIFIED

Verhoeff Checksum (Aadhaar)

Luhn Checksum (Cards)

Pattern Matching (PAN, Voter ID, Passport, DL, IFSC, IBAN, GSTIN, CIN)

AI Reading Model

Secret Key Detection

SHA-256 Fingerprinting

REMEIATION ACTIONS

Archive Files From the Dashboard

Route Clean-Up by File Ownership

Storage Usage by Top Users & Folders

COMPLIANCE FRAMEWORKS WE HELP YOU ALIGN WITH

DPDP Act (India)

GDPR (Europe)

PCI-DSS

ISO/IEC 27001

Esii FilesAnalytiq is not certified under these frameworks. Its discovery, tagging and reporting features are designed to support your organisation's own compliance programme.

See FilesAnalytiq running in your environment.

Esii FilesAnalytiq deploys as a lightweight, read-only agent on your existing infrastructure in days, not weeks. There is no file modification, no disruption to daily workflows and raw data never leaves your network.

[Book a Demo →](#)

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