

Improved Report Directory Structure

Current Problems

- Flat directory structure with all files mixed together
- Non-descriptive scan directory names
- Individual scanner results mixed with summary reports
- No organization by target or scanner type

Implemented Structure

```
reports/
├─ index.html                # Auto-generated main
index
├─ container-scan-2025-09-01_20-04-46/  # Human readable scan_id
  with description
  │ └─ index.html            # Auto-generated scan
  index
  │ └─ summary/              # Executive and
  detailed reports
  │ │ └─ executive_summary.html
  │ │ └─ detailed_report.html
  │ └─ targets/              # Organized by target
  │ │ └─ nginx/              # Target name
  │ │ │ └─ index.html        # Target summary
  │ │ │ └─ combined_findings.json # All findings for this
  target
  │ │ └─ scanners/          # Individual scanner
  results
  │ │ │ └─ trivy.json
  │ │ │ └─ gype.json
  │ │ │ └─ syft.json
  │ │ │ └─ dockle.json
  │ └─ ubuntu/              # Another target
  │ │ └─ index.html
  │ │ └─ combined_findings.json
  │ │ └─ scanners/
  │ │ │ └─ trivy.json
  │ │ │ └─ gype.json
  │ │ │ └─ syft.json
  │ └─ raw-data/            # JSON and SARIF outputs
  │ │ └─ container-scan-2025-09-01_20-04-46_summary.json
  │ │ └─ container-scan-2025-09-01_20-04-46_findings.json
  │ │ └─ container-scan-2025-09-01_20-04-46.sarif
  │ └─ metadata/           # Scan metadata
  │ │ └─ scan_metadata.json
├─ container-scan-2025-09-01_19-55-37/  # Another scan session
└─ index.html
```

```

|   |   | summary/
|   |   | targets/
|   |   | raw-data/
|   |   | metadata/
|   | container-scan-2025-08-30_14-22-15/      # Older scan session
|   |   | index.html
|   |   | summary/
|   |   | targets/
|   |   | raw-data/
|   |   | metadata/

```

Benefits

1. **Clear Hierarchy:** Summary → Targets → Scanners → Results
2. **Better Navigation:** Auto-generated index pages at each level
3. **Target Organization:** Easy to find results for specific targets
4. **Scanner Separation:** Individual scanner results are isolated
5. **Metadata Tracking:** Each scan has metadata for better organization
6. **Scalable:** Works for any number of targets and scanners
7. **Web-Friendly:** Multiple index pages for easy browsing
8. **Multiple Scans:** Each scan session gets its own timestamped directory
9. **Human Readable:** Timestamp format is easy to understand

Naming Convention

- **Scan Directory:** `{description}-YYYY-MM-DD_HH-MM-SS`
 - Example: `container-scan-2025-09-01_20-04-46`
 - Includes scan description from YAML configuration
 - Human readable and sortable chronologically
 - Works for any scan type (container, git, k8s, terraform, filesystem)
- **Target Directory:** Use sanitized target name
 - Docker images: `nginx`, `ubuntu2004`
 - Git repos: `my-app`, `security-scanner`
 - Files: `deployment-yaml`, `main-tf`
- **File Organization:**
 - **Summary files:** `summary/` directory for HTML reports
 - **Target-specific:** `targets/{target}/` with combined findings and scanner subdirectories
 - **Raw data:** `raw-data/` for JSON and SARIF files
 - **Metadata:** `metadata/` for scan information

Index Generation

Each directory level will have an auto-generated `index.html`:

1. **Main Index** ([reports/index.html](#)): Lists all scans chronologically
2. **Scan Index** ([{scan-id}/index.html](#)): Overview of specific scan results
3. **Target Index** ([targets/{target}/index.html](#)): Target-specific results