Dropbox to OneDrive Migration Analysis Report

Generated: August 21, 2025

Analysis Period: Complete Directory Comparison

Total Differences Found: 15,803 items

🚨 Executive Summary

This analysis reveals significant data gaps in the OneDrive migration from Dropbox. I started with the CDT Personal folder because that has known missing data (Will+).  
  
Out of 15,803 differences identified:

📂 13,678 items exist only in Dropbox (86.6% of differences)

📁 2,097 items exist only in OneDrive (13.3% of differences)

⚠️ 28 items have size or timestamp differences (0.2% of differences)

Critical Finding: The migration appears to have failed to transfer the majority of files, with nearly 87% of differences being missing content from OneDrive. It’s also possible these have been moved around or reorganized.

📊 Detailed Breakdown

Status Distribution

Status Count Percentage Implication

OnlyInSource (Dropbox) 13,678 86.6% ❌ Missing from OneDrive

OnlyInTarget (OneDrive) 2,097 13.3% ℹ️ OneDrive-specific files

SizeDifference 22 0.1% ⚠️ Version conflicts

TimeDifference 6 0.04% ⚠️ Timestamp mismatches

Content Type Analysis

Type Count Percentage

Files 14,539 92.0%

Directories 1,264 8.0%

🔍 Pattern Analysis

Primary Missing Content Areas

1. Personal Documents Hub (1,064 missing directories)

Path: Cameron Vaio\Documents\My Documents\

Impact: - Core personal document structure missing

Content: Home management, financial records, personal files

Risk Level: 🔴 CRITICAL

2. Photo Collections (22 missing photo directories)

Path: Cameron Vaio\Pictures+\

Impact: High - Personal photo collections not migrated

Notable Missing:

Cell phone backups (CDT Cell 9-13-20: 13 directories)

iPhone 13 Pro photos (3 directories)

Birthday and event photos (multiple collections)

Risk Level: 🟡 HIGH

File Type Impact Analysis

Most Affected File Types (Missing from OneDrive)

File Type Count Description Business Impact

📸 .jpg 5,075 Photo files 🔴 Personal photo loss

📄 .pdf 2,024 Document files 🔴 Document management crisis

📧 .msg 1,837 Outlook messages 🔴 Email archive loss

📸 .jpeg 710 Additional photos 🟡 Photo collection gaps

📱 .PNG 421 Screenshots/images 🟡 Reference material loss

⬇️ .download 364 Downloaded files 🟡 Resource files missing

📝 .docx 311 Word documents 🔴 Document workflow disruption

📊 .xlsx 144 Spreadsheets 🔴 Data analysis tools missing

Large File Analysis (Critical Data Loss)

File Size Impact

The Little Mermaid.mp4 1.24 GB 🎬 Media library incomplete

SpiderVerse.mp4 1.09 GB 🎬 Media collection gaps

Virtual\_Architect\_V10\_C1\_English.exe 1.03 GB 💻 Software installer missing

20210425\_125555.mp4 480.60 MB 📱 Video memories not backed up

20210508\_151600.mp4 378.25 MB 📱 Additional video content loss

🎯 Strategic Recommendations

Immediate Actions Required (Priority 1)

1. Data Backup 🚨

Action: Move Dropbox data to a local NAS before sending devices to Lenovo. Also retrain original hard drives.

Urgency: Immediate (within 24 hours)

Risk: Permanent data loss if drive fails, is misplaced, or we lose access:

2. Document Structure Recreation 📂

Focus: Cameron Vaio\Documents\My Documents\ (1,064 missing directories)

Method: Systematic folder-by-folder migration verification

Timeline: TBD

3. Critical File Types Recovery 📄

Priority Order:

PDF documents (2,024 files) - Legal/financial documents

Word documents (311 files) - Active work files

Excel spreadsheets (144 files) - Data and calculations

Outlook messages (1,837 files) - Communication history

Medium-Term Recovery (Priority 2)

4. Photo Collection Restoration 📸

Impact: 5,785 missing image files (.jpg, .jpeg, .PNG)

Method: Bulk photo migration with metadata preservation

Timeline: TBD

5. Media Library Recovery 🎬

Focus: Large video files and media content

Storage Planning: Ensure OneDrive has sufficient capacity

Timeline: TBD

Long-Term Optimization (Priority 3)

6. Migration Process Improvement ⚙️

Root Cause Analysis: Determine why migration failed

Process Documentation: Create verified migration checklist

Backup Strategy: Implement redundant backup approach

⚠️ Risk Assessment

High-Risk Areas

Document Management System Collapse - Core personal filing system is needed

Photo Memory Loss - Years of personal photos not backed up

Mitigation Strategies

Immediate Dropbox Preservation - Ensure account remains active during recovery

Incremental Migration - Process in batches to prevent errors

Verification Protocol - Check each major category post-migration

Rollback Plan - Maintain ability to revert if issues arise

📈 Success Metrics

Migration Success Criteria

File Count Match: 95%+ of original Dropbox files present in OneDrive

Folder Structure Integrity: Complete recreation of directory hierarchy

File Integrity: No corruption or data loss during transfer

User Accessibility: All files accessible and searchable in OneDrive

Monitoring Recommendations

Weekly sync verification reports

Monthly storage utilization reviews

Quarterly migration audit checks

Annual backup strategy assessment

🎯 Conclusion

This analysis reveals a critical migration failure requiring immediate attention. The current state represents a significant data loss risk, with the majority of personal and business-critical files not successfully transferred to OneDrive.

Recommended Action: Begin data recovery immediately, focusing on document restoration while Dropbox data remains accessible. The scope of missing content suggests the original migration process failed and requires complete remediation.

This report is based on automated directory structure comparison analysis. Manual verification of critical files is strongly recommended before proceeding with any destructive actions.