**Meeting Minutes — Automotive NAS Migration Plan**

**Date:** September 30, 2025  
**Time:** 6:03–7:05 PM (CST)  
**Purpose:** Plan the migration of Automotive on-prem NAS file shares (McKinney & Allen DCs) to AWS, leveraging AWS DataSync and FSx.  
**Facilitator:** Storage team (Experian)  
**Primary Stakeholders:** Automotive app/infra team

**Attendees (as referenced in the discussion)**

* **Rodrigo** — Automotive; primary owner on the Automotive side
* **James** — Automotive
* **Luis** — Automotive
* **Pavan / Pawan** (storage), **Bharat / Barot** (pipelines), **Eric “Bow/Baugh”** (gateway build) — Storage/Infrastructure (Experian)
* **Usman** — (mentioned; no longer with team)
* **Saki** — (mentioned; OOO)

**Summary & Key Decisions**

1. **Migration Approach**
   * Use **AWS DataSync** to copy from **on-prem NAS** to AWS.
   * Target will be **Amazon FSx**: default to **FSx for Windows File Server (FSxW)** for SMB shares; **consider FSx for ONTAP (FSxN)** if performance/feature needs warrant it.
   * **Cutover will be manual** after initial/ongoing syncs.
2. **Pipelines & Automation**
   * Storage team has **Jenkins pipelines** and **shared libraries** plus **Terraform modules** to deploy DataSync, FSx, tasks, and schedules.
   * Automotive team will **fork/parameterize** modules (variables per environment).
3. **Agents & Connectivity**
   * **DataSync agents** already exist on-prem; plan to **reserve one per DC** (Allen & McKinney). One McKinney agent is in-use; another appears free. Allen will have one assigned; can deploy more if needed.
   * **Firewall and VPC endpoints** required by DataSync are **already in place** in the target AWS account.
4. **Scope Clarifications**
   * **TSM DB backup share** is **out of scope** (to be decommissioned before DCA).
   * **S3 archival** (via **Storage Gateway**, not DataSync) is a **separate track**; production bucket hookup pending (info to be resent; Saki is OOO).
5. **Identity & Permissions**
   * For **SMB→FSxW**: must **create/confirm AD group** and **service account** (for domain join/management).
   * DataSync will **preserve NTFS ACLs**.
   * **Encrypted files** are **skipped by DataSync**; if encountered, plan **Robocopy** or similar.
6. **Destination Account / Layout**
   * Place Automotive FSx in the **same AWS account used for archiving** (agreed).
   * **Shares can co-exist** under a single FSx file system; **Finance** may be isolated in a **separate FSx** for long-term segregation, though **permissions alone** suffice functionally.
7. **Discovery Data**
   * Master **share list** assembled from historical records; requires **Automotive validation** (ownership, in-use, missing entries like “Jeff Chandler” share, duplicates, etc.).
   * **Sizes**: storage team running scripts to collect; will populate spreadsheet.
   * **AD groups / user access** mapping will be **pulled from NAS** and added to the sheet.

**Risks & Considerations**

* **Encrypted content** won’t transfer via DataSync (mitigate with Robocopy path).
* **Performance uncertainty**: start on **FSxW**, **pivot to FSxN** if heavy workloads/advanced features needed.
* **Agent capacity** during concurrent programs (archival vs. NAS migration) — track usage, **reserve** agents, scale if needed.
* **Ownership/CMDB gaps**: some shares lack CMDB entries; **validation** required to avoid migrating stale/incorrect data.
* **OOO coverage**: Storage contacts **OOO Thu–Fri (India holiday)**; limited responsiveness until Monday.

**Action Items**

| **#** | **Action** | **Owner** | **Due** |
| --- | --- | --- | --- |
| 1 | **Send updated discovery spreadsheet** (all candidate Automotive shares) with columns for **DC, path, protocol (SMB/NFS), size (when available), AD groups/users, owner/contact**; highlight suspected duplicates & unknowns. | **Storage (Pavan)** | Oct 1 |
| 2 | **Populate share sizes** from NAS scripts; fill missing fields; share updated file. | **Storage** | Oct 2–3 |
| 3 | **Extract AD group/user mappings** from NAS and add to spreadsheet. | **Storage** | Oct 3 |
| 4 | **Validate share list**: confirm **ownership**, **in-use** status, and **add missing shares** (e.g., “Jeff Chandler”), mark **out-of-scope** (“TSM DB backup”). | **Automotive (Rodrigo + James + Luis)** | Oct 4 |
| 5 | **Decide initial target type** per share (**FSxW default**, flag any candidates for FSxN). | **Automotive** with **Storage** input | Oct 7 |
| 6 | **Create/request AD group & service account** for FSxW domain join/management (per provided template). | **Automotive (Luis/James)** | Oct 7 |
| 7 | **Reserve DataSync agents** (1 × Allen, 1 × McKinney) for Automotive migration; confirm availability; deploy additional if needed. | **Storage** | Oct 3 |
| 8 | **Provide Terraform repo & Jenkins pipeline access**; share “how-to” with variables/examples for FSxW/FSxN/EFS. | **Storage (Bharat/Barot)** | Oct 2 |
| 9 | **Select pilot share** (low-risk) and **lower/non-prod environment**; run **initial sync test** and validate permissions/ACLs. | **Automotive (Rodrigo)** + **Storage** | Propose Oct 8–10 window |
| 10 | **Address S3 production bucket hookup** for archival (separate track): resend details and connect bucket. | **James → Storage** (since Saki OOO) | Oct 2 |
| 11 | **Document step-by-step plan** (“Step 1 identify shares… Step N cutover”) and share to kick off Rodrigo’s execution. | **Storage (Pavan)** | Oct 1 |
| 12 | **Plan for encrypted files** (if any discovered): identify shares containing encryption and define **Robocopy** runbook. | **Automotive + Storage** | With discovery results |

**Proposed Migration Flow (High-Level)**

1. **Discovery & Validation:** Confirm share inventory, owners, sizes, protocol, access (AD groups/users), special handling (encryption/open-file requirements).
2. **Prereqs:** Ensure **AD group + service account** exist; confirm **DataSync agents** (Allen/McKinney), **VPC endpoints/firewalls**, pipeline access.
3. **Provisioning via Terraform/Jenkins:** Deploy/parameterize **FSx** (initially FSxW), **DataSync agents & tasks**, schedules.
4. **Initial Sync (Pilot):** Run a **test share** to non-prod/lower env; validate data, ACLs, and performance.
5. **Wave Plan:** Group shares (e.g., Finance separate wave/file system if required).
6. \*\*Delta Syncs & **Cutover:** Freeze window, final sync, **remap clients** to new FSx paths; verify sessions and access; decommission sources per policy.

**Open Questions**

* Any **applications** requiring **file locking/logs** beyond standard SMB usage? (None known; confirm during discovery.)
* Confirm if **Finance** requires a **separate FSx** for policy/segregation, or if ACL isolation is sufficient long-term.
* Any **NFS** workloads besides **AUTO\_STAGE\_05** (in-flight) that should land on **FSxN/EFS**?

**Next Meeting**

* **Target:** Week of Oct 6, 2025
* **Agenda:** Review validated inventory, confirm AD/service account readiness, select pilot share, and schedule initial sync.

**Notes**

* **DataSync skips encrypted files** → plan alternate copy (Robocopy) where applicable.
* **TSM DB backup share**: **exclude**; decommission before DCA.
* Storage team **OOO Thu–Fri (India holiday)**; limited support until Monday. Rodrigo may contact **Bharat** tomorrow for questions; otherwise leave notes for follow-up.

*Prepared for the Automotive & Storage teams by consolidating the shared transcript. If you’d like, I can convert this into a one-page PDF and a task checklist (CSV) for import into your tracker.*