DSSS-3
Quarterly Meeting

January 2026

Agenda

Key Topics

OCDO Program Update

Introductions and highlight contributions towards goals and milestones.

Priority Projects Progress

Updates on key projects and Q1 accomplishments.

Q&A

Open floor for questions and closing.

Team Building

Optional team engagement activity.

Agenda in Detail

ITEM	TIMING
Introductions	10:00 – 10:10
Icebreaker	10:10 – 10:25
OCDO Program Update	10:25 – 10:35
Priority Projects Progress	10:35 – 11:25
Q&A *(End of Hybrid Event)*	11:25 – 11:40
Break	11:40 – 12:00
Lunch *(Onsite)*	12:00 – 1:00
Optional Team Building Activity *(Onsite)*	1:00 – 1:30

Welcome & Introductions

Icebreaker

Let's Play Stand Up If!

We will ask some questions and if your answer is **yes**, please stand up!
If you are joining remotely today, please use the Teams "**Hand Raise**" feature.

Here are a few examples to get us going.

Stand Up If...

- You have a dog as a pet
- You like sailing
- Your favorite color is green

Let's Have Fun!

OCDO Program Update

Priority Projects Progress

Priority Projects Progress: FY26 Q1

Program	*Goal/Milestone*	*Progress/Contribution*
Decommission USCIS Matrix	Q1 Milestone: Develop an artifact to outline timeline for the analysis and recommendation proposal of the new tool that will replace Matrix.	• Developed and shared timeline with DMD Chief and gained concurrence. • Began identifying Matrix stakeholders for Q2 engagement. Held discussions with DHS HQ and ICE. • Started market research for replacement tools.
National Production Dataset (NPD)	Q1 Milestone: Reconstituting NPD Development Team and maintaining NPD critical operational capabilities.	• Successfully gained staffing commitments from operational offices and restored initial resource staffing to support daily operations. • Resolved multiple critical break/fix NPD work tickets in Q1 and are maintaining a steady state backlog of 20+ mixed break/fix and enhancement tickets in SNOW. • The Amaze team added a new developer resource with USCIS data experience to support day to day NPD operations.

E-22 Modernization	Q1 Milestone: Establish the foundation: complete discovery/inventory, set the baseline, and deliver a prioritized automation/optimization roadmap targeting 70%+ O&M reduction.	• Reviewed existing E-22 processing data checks and implemented a more comprehensive set of data models including:
		  • Pattern-based anomaly detection
		  • Derived sanity metrics for aggregated data trends
		  • Seasonal decomposition for repeating patterns and seasonal cycles
		• Documented baseline O&M hours and metrics for monthly E-22 processing; documented ad-hoc hours and metrics for inquiries and updates to processing. Determined where process improvements could be made to optimize efficiency.
		• Worked with key stakeholders to define requirements for a forecasting/goal-tracking dashboard. Researched and determined two platform options for the dashboard, including an extension that would enhance Tableau's analytical capabilities using Python.
		• Completed a mapping of E22 workflows, jobs, data sources and lineage. Updated the SOPs to reflect current processing.

Priority Projects Progress: FY26 Q1

Program	*Goal/Milestone*	*Progress/Contribution*
Streamlined Case Processing (SCP) Program	Q1 Milestones: • Work closely with ELIS to determine the overall QA process framework in relation to measurability and responsibility. • Finalize the requirements from the Directors Office on the bulk denial policy and applicability. • Work with the Directors office to establish overarching SCP Governance Framework amongst the branches. • Establish clear goals within the SCP community of essential metrics for comparison.	• Developed, tested, and integrated additional applicant vetting functions (OBIM-IDENT, Country of Birth Check, NVC Check). • Built and deployed Social Security Death Index kickout function that removed deceased beneficiaries from pending filings. • Added Form I-130 Part A and Part C to SCP product line. • Helped RAIO Admin-Close over 7500 I-589 LPR and USC Receipts. • Productionized ADIS submission and ingestion tool to assist FDNS's vetting efforts. The above Q1 progress is on top of FY25 accomplishments that brought savings of $41M and 797k adjudicative hours.

Priority Projects Progress: FY26 Q1

Program	*Goal/Milestone*	*Progress/Contribution*
Databricks Efficiency & Cost Analytics	Q1 Milestone: Build an agency-grade view of Databricks usage, cost, and table health, and put repeatable cleanup controls in place.	• Finalized agency-level DBU, cost analysis tables and daily jobs, and reconciled metrics with platform reporting to support trustworthy spend analytics. • Delivered DBU utilization dashboards with KPIs, time series, heatmaps, and failure plots to highlight optimization opportunities. • Stood up production metadata inventory and table-cleanup tooling (including a cleanup log and manual, auditable cleanup workflow), giving a controlled way to optimize storage, small files, and runtimes. • Added tags to all production jobs in order to make it easier for developers to locate jobs associated with a specific directorate/project (e.g. OAW, EXA, etc).
Division-wide Databricks Permissions Audit	Q1 Milestone: Standardize Databricks permission groups, workspace visibility, and resource-level access across the division, and give the BI Data Engineering team consistent read/write access for metadata, efficiency work, and support.	• Created the new pipeline to support the division-wide user-group audit using newly constructed HR user datasets to identify inactive user accounts. • Produced inventories of AA and NPD workspaces and schemas tied to permission groups. • Built job-to-user and job-to-group mappings, giving a clear view of who can run which jobs across the division. • Launched comprehensive AA and NPD permission-group cleanup efforts aimed at removing obsolete accounts and reducing audit risk.
NPD & Director's Dashboards – Data Integrity & Sharing	Q1 Milestone: Improve trust in NPD-backed leadership dashboards and safely share key tables with partners.	• Replicated core NPD pending and completions tables and historical pending into a public schema so external stakeholders can perform analysis using the same authoritative metrics. • Aligned I-589 and EOIR logic across receipts, pending, and completions to match program expectations and removed outdated filters that excluded an EOIR line of business. • Outcome: Director-level dashboards now better match program expectations, increasing confidence in NPD numbers for high-visibility decisions.
Decommissioning High-Cost Legacy Pipelines (OAW)	Q1 Milestones: Safely retire duplicative, compute-heavy pipelines and document process & outcome in Confluence while preserving required reporting paths.	• For Operation Allied Welcome, resolved dataset discrepancies versus stakeholder spreadsheets, clarified the authoritative dataset, and maintained prod jobs. • Followed leadership direction to redirect BI reporting to the PAER OAW dashboard, then shut down OAW Databricks production jobs and documented the shutdown and resource savings. • Result: removal of some of the program's most expensive job suites, freeing DBUs and reducing alert noise while maintaining mission reporting.

Priority Projects Progress: FY26 Q1

Program	*Goal/Milestone*	*Progress/Contribution*
Databricks Lineage & Observability	Q1 Milestone: Implement a recurring lineage capture process for Databricks jobs to support audit and impact analysis.	• Defined a lineage Delta table (with partitions and retention), built an extraction and transform process to capture key job-level fields (names, IDs, and metadata), and scheduled a monthly Databricks job with retries, timeouts, and failure notifications. Validated sample runs to ensure records are written correctly, creating a consistent, queryable lineage dataset for audits, impact analysis, and future dashboards.

DSP BI Data Visualization	Q1 Milestones: Deliver high-value Tableau dashboard products that provide actionable insights to support decision-making.	• OAW HiVUE Dashboard
		  • Delivered a Tableau dashboard that connects directly to the cdo_oaw table, letting users explore A-Number lists with familiar filters and export results straight to Excel, reducing one-off data requests.
		• Dashboard of Dashboards (Tableau Usage KPIs)
		  • Continued progress on this dashboard that displays usage KPIs (session duration, filter usage, tab navigation, etc.) that will power a “Dashboard of Dashboards” to monitor BI product adoption.
		• SNOW Dashboard
		  • Began development on this dashboard that provides both high-level SNOW (ServiceNow) metrics and detailed views of the intake and resolution pipeline, helping identify bottlenecks and improve service.

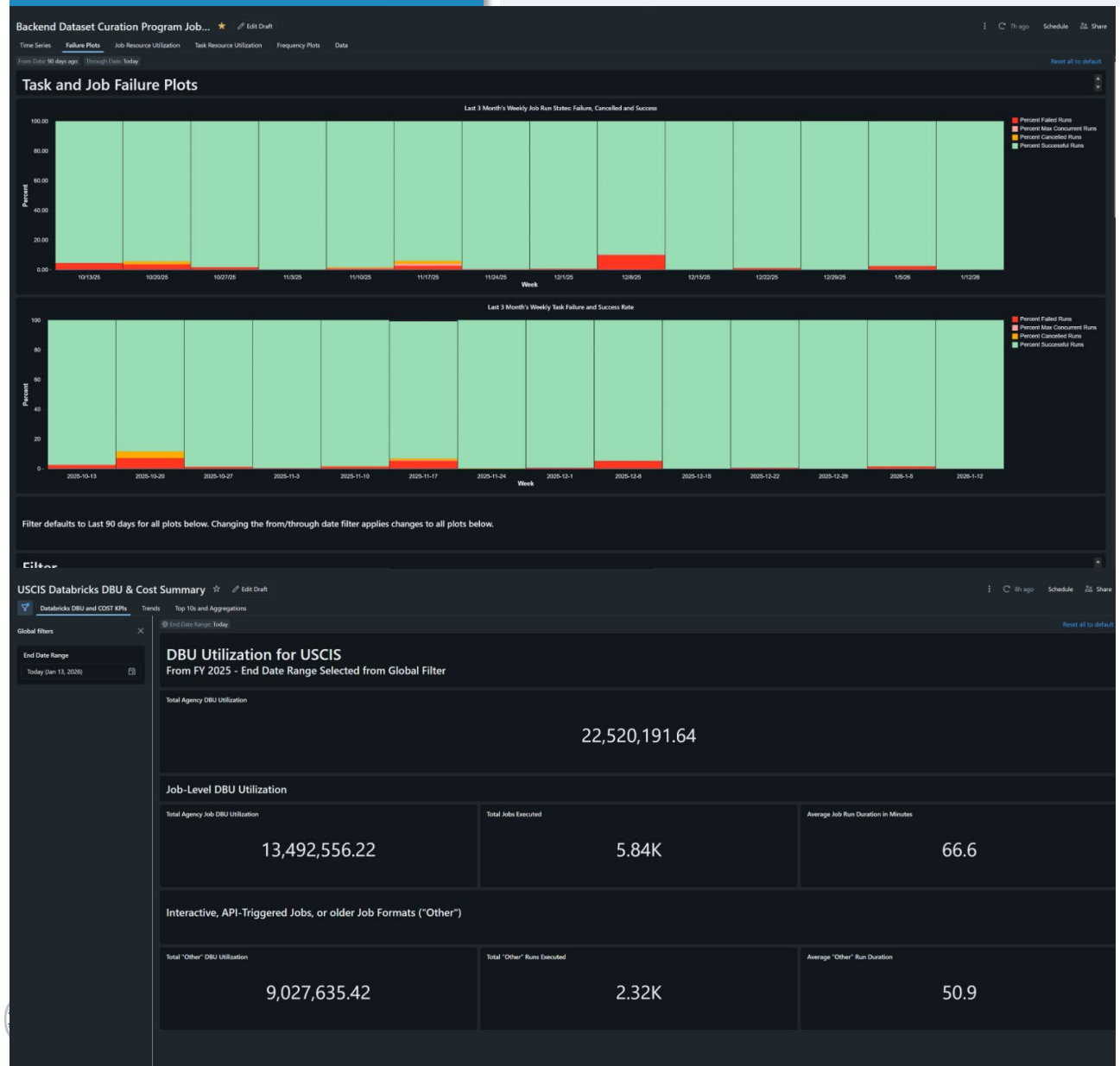
DECP Databricks Lineage & Observability	Q1 Milestone: Implement a recurring lineage capture process for Databricks jobs to support audit and impact analysis.	• Defined a lineage Delta table (with partitions and retention), built an extraction and transform process to capture key job-level fields (names, IDs, and metadata), and scheduled a monthly Databricks job with retries, timeouts, and failure notifications. Validated sample runs to ensure records are written correctly, creating a consistent, queryable lineage dataset for audits, impact analysis, and future dashboards.

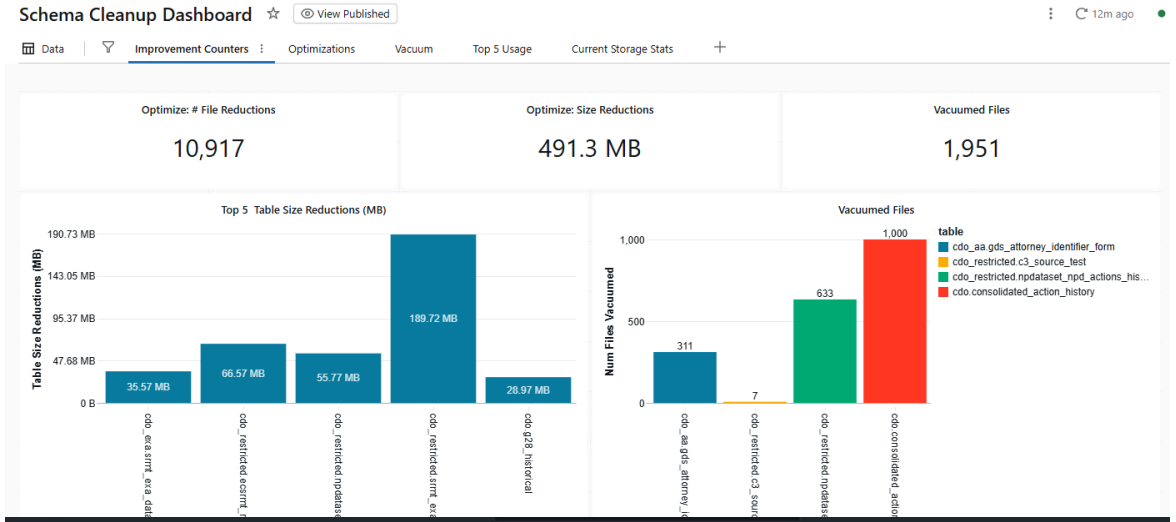
Priority Projects Progress: FY26 Q1

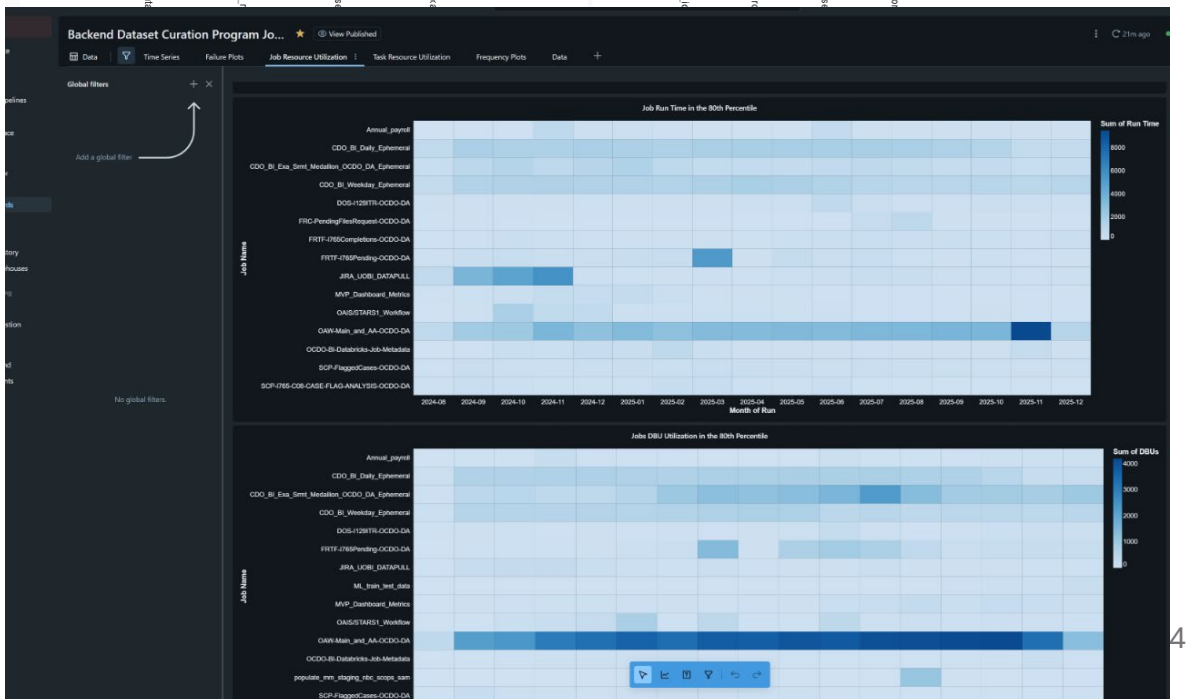
Program	*Goal/Milestone*	*Progress/Contribution*

DECP Databricks Monitoring & Optimization Dashboards	Q1 Milestones: Give leadership and product owners clear, self-service visibility into how our Databricks platform and data pipelines are running, where resources are consumed, and where we are gaining efficiency.	• Databricks DBU & Cost Summary Dashboard
		  • What it does – Shows how much Databricks compute power (DBUs) the agency is using over time,
		  • Why it's important / Value – Turns complex data into simple visuals leaders can understand, helping us spot expensive or inefficient jobs, defend budget needs, and prioritize optimization efforts.
		  • Example metrics– Displays 22.5M DBUs of total agency usage in the last year, of which 13.5M DBUs come from scheduled jobs; highlights about 5.8K jobs executed with an average run time of ~67 minutes, and an additional 9.0M DBUs / 2.3K runs from interactive and legacy "other" workloads.
		• Schema Cleanup Dashboard
		  • What it does – Tracks the impact of our table cleanup work: how many files we've consolidated, how much storage we've reclaimed, how many files have been vacuumed, and how many unused tables we've dropped. It also shows current storage size, row counts, and partitions across key schemas.
		  • Why it's important / Value – Demonstrates tangible savings from reducing "data sprawl," improves performance of analytics jobs, and provides an auditable record of cleanup activity for governance and risk management.
		  • Example metrics– Shows 10,917 files optimized and about 491 MB of table size reductions across the top tables, 1,951 files vacuumed, and 16 unused tables dropped. Current storage snapshots show around 30K files, 2.56 TB of data, and 20.3B rows across monitored schemas.
		• Backend Dataset Curation Program – Job Metrics Dashboard
		  • What it does – Monitors the health of DECP's production jobs: job failure rates, job run times, DBU consumption by job, and how frequently each pipeline runs.
		  • Why it's important / Value – Ensures the datasets feeding dashboards and reports are updated reliably and on time, allows us to catch failing or slowing jobs before customers notice, and guides where to focus engineering effort for the biggest stability and efficiency gains.
		  • Example metrics– 90-day views show weekly job and task success rates near 100% with only small percentages of failed or cancelled runs, and frequency plots highlight our busiest pipelines running up to roughly 30–38 times per month. Heatmaps also highlight which specific jobs consume the most run time.

Priority Projects Progress: FY26 Q1

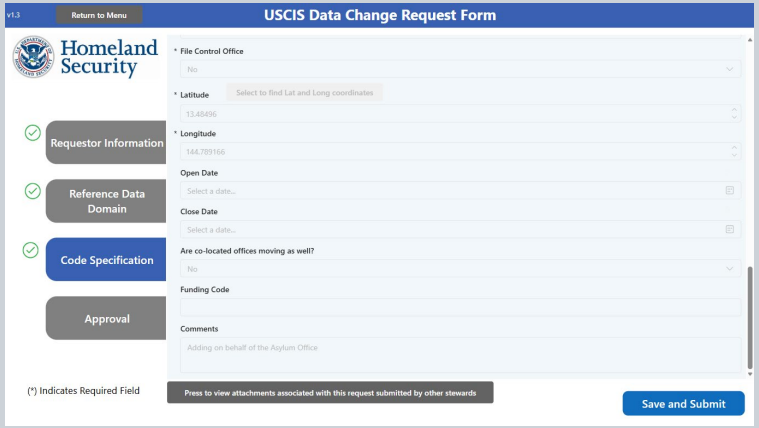


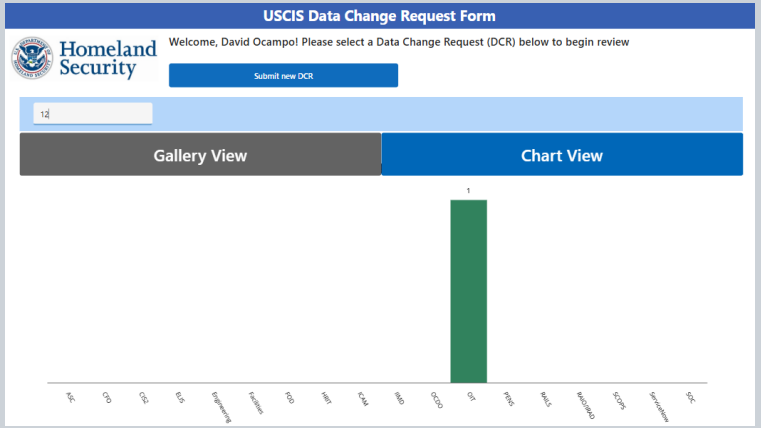


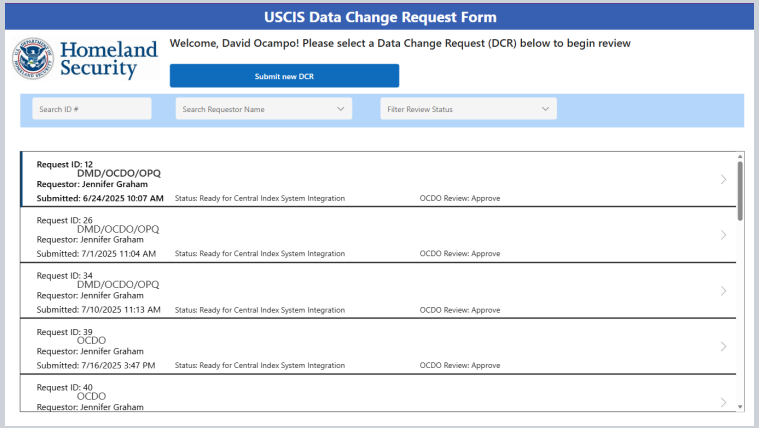


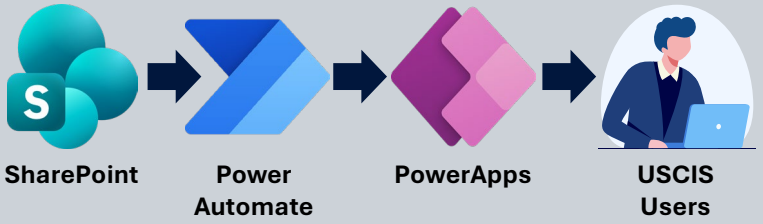
Priority Projects Progress: FY26 Q1

Program	Goal/Milestone	Progress/Contribution
Data Change Request Power App	Q1 Milestones: • Enhance the App to make updates to existing Data Change Requests. • Provide Secure and Controlled access to the App so the app can be used across the USCIS enterprise.	• Implemented a new Power Automate infrastructure to support secure enterprise access • Using the new infrastructure, enhanced the Data Change Request app to support updates to change requests within the app.









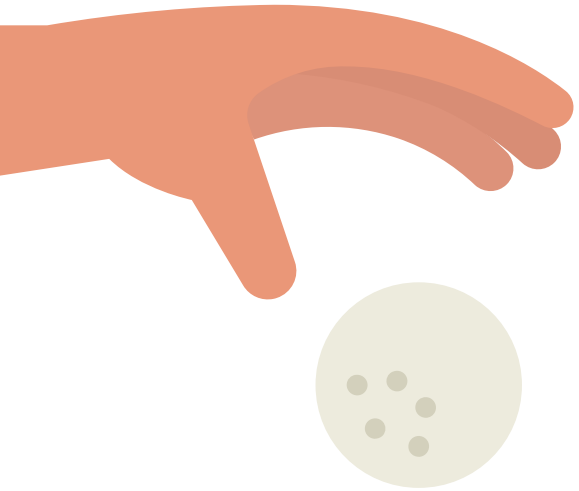
Q&A and Closing

Team Building

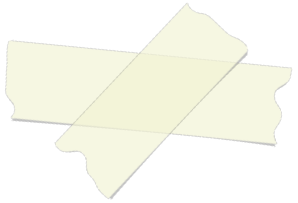
Drop the Ball

Your Mission, if you choose to accept it:

Using drinking straws and masking tape,
build a container to catch a golf ball that is dropped from 6 feet.



Materials
12 straws & 18 inches of masking tape



Time
15 minutes

Attempts
3 Attempts for each group

Let’s Have Fun!