

DATA HACKATHON · PLATFORM PROVING

One concept in. A working data solution out.

One to two days with your team and ArchitectNow engineers to prove a data concept on Microsoft Data technology. We build together and deploy a real, working solution — in your tenant or our hackathon tenant — then hand you the design and the plan to scale it.

1-2 days Hackathon build, on site or virtual	1 Working Microsoft Data solution, deployed live	2 Hosting options: your tenant or our hackathon tenant	3 Deliverables: design, prototype, scale plan
--	--	--	---

PICK YOUR HACKATHON TOPIC
PLATFORM TOPICS — PROVE THE CAPABILITY

- ◆ **Real-Time Data & Event Stores** — act on data as it lands · Fabric RTI
- ◆ **Ontology for Twins & Agents** — shared business meaning · Fabric IQ
- ◆ **Pipeline Framework** — metadata-driven ingestion & validation, no new code
- ◆ **Unity Catalog on Databricks** — governance, lineage & discovery in one place
- ◆ **AI-Automated Data Engineering** — agents draft, test & repair pipelines
- ◆ **Zero-ETL Mirroring** — operational stores live in the lake, no pipelines
- ◆ **Medallion Lakehouse** — raw-to-gold zones on Fabric or Databricks
- ◆ **Semantic Layer** — one governed model for BI and agents · Direct Lake
- ◆ **Vector & Search Store** — your data made retrievable for RAG · AI Search
- ◆ **DataOps CI/CD** — tested, versioned pipeline deployments

BUSINESS OUTCOME TOPICS — PROVE THE VALUE

- ◆ **Data Agents for Insights** — plain-language answers · Fabric / Genie
- ◆ **Operations Agents** — act on what the data says, not just report it
- ◆ **Executive KPI Copilot** — narrated scorecards & variance explanations
- ◆ **Customer 360** — one trusted view of the customer across systems
- ◆ **Churn & Retention Signals** — score the risk, trigger the next best action
- ◆ **Demand Forecasting** — ML forecasts in the flow of planning
- ◆ **Anomaly & Fraud Detection** — real-time flags on transactions & telemetry
- ◆ **Predictive Maintenance** — telemetry plus twins, act before the failure
- ◆ **Finance Close Copilot** — reconciliation & variance explanations
- ◆ **Report Rationalization** — consolidate legacy BI into governed insights

These are examples to start the conversation — the best topic is the one your team already wants to prove. Bring your own.

WHAT YOU GET

Three outcomes, built in the room.

01 Recommended Approach & Design

The Microsoft data platform architecture for your topic, with the key decisions documented.

02 Working Prototype

A real solution deployed and demonstrated live — no slides, not a mockup.

03 Action Plan to Scale

The sequenced steps to take the prototype to production, owners named.

HOW IT WORKS

Six steps. Two before, three in the room, one after.

01 · PRE-HACKATHON
Planning Session

Pick the topic, goal, knowledge sources and Microsoft technologies in scope. Choose hosting — your tenant or ours — and single-team (collaborative) vs multi-team (competitive) format.

02 · PRE-HACKATHON
Readiness & Agenda

Schedule and review the targeted agenda. Confirm Microsoft service and source-knowledge readiness — access, licensing, sample data — and team onboarding steps.

03 · HACKATHON
Vision the Approach

Align on the Microsoft technology approach for the topic and the key design considerations before the build starts.

04 · HACKATHON
Execute the Build

Build hands-on with ArchitectNow engineers guiding side by side — pairing, unblocking, keeping the build on the clock.

05 · HACKATHON
Present the Results

Demo working builds to the wider stakeholder team. Multi-team format: the judging panel scores the builds and names the winner — with prize.

06 · POST-HACKATHON
Operationalize

Agree next steps to take the winning build toward production — a natural entry to a Frontier-funded Fabric Faster or Databricks Driven Pilot.

WHY ARCHITECTNOW

- **4 Solutions Partner Designations**
Data and AI · Digital and App Innovation · Infrastructure Azure · Support Services.
- **Azure AI & Data MVPs on Staff**
Engagements led by Microsoft-recognized practitioners. 15+ years on the stack.
- **AI Apps on Azure Specialization**
Held by less than 4% of partners. Production AI on Azure, verified by Microsoft.
- **Microsoft Frontier Funding** QUALIFIED ACCOUNTS
Five times the funding is available now, so there has never been a better time to start. Subject to Microsoft eligibility.

Prove your data concept in 1-2 days.

30-minute sponsor call to pick your topic.

info@architectnow.net · (314) 366-0875 · architectnow.net

Book the hackathon →