

GenAI accelerator portfolio for Duck Creek

Accelerate Duck Creek implementations with AI-augmented engineering

The opportunity

The convergence of AI model maturity, Duck Creek specialist scarcity, and platform modernization pressure has created a window that early movers are already exploiting. A 30-month Duck Creek Policy and Billing modernization can be compressed to 22–24 months when AI-augmented engineering is embedded from discovery through deployment.

9 purpose-built accelerators
Production-ready today
Carrier Azure tenant —
no data leaves your boundary

9

Purpose-built GenAI accelerators

50%+

Effort reduction across key workstreams

25–35%

Overall program timeline reduction

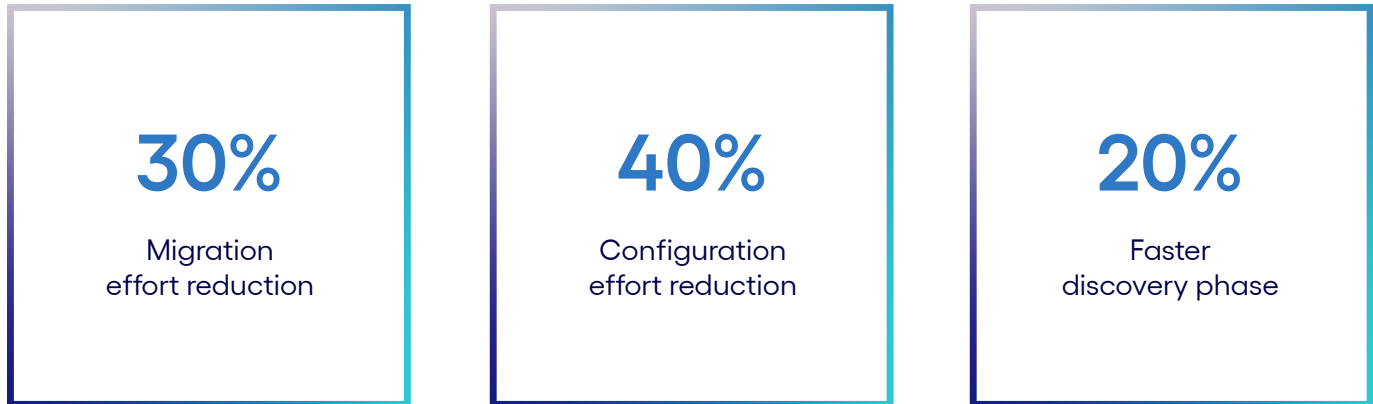
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Maturity tiers: production to roadmap

Proof point: real program results

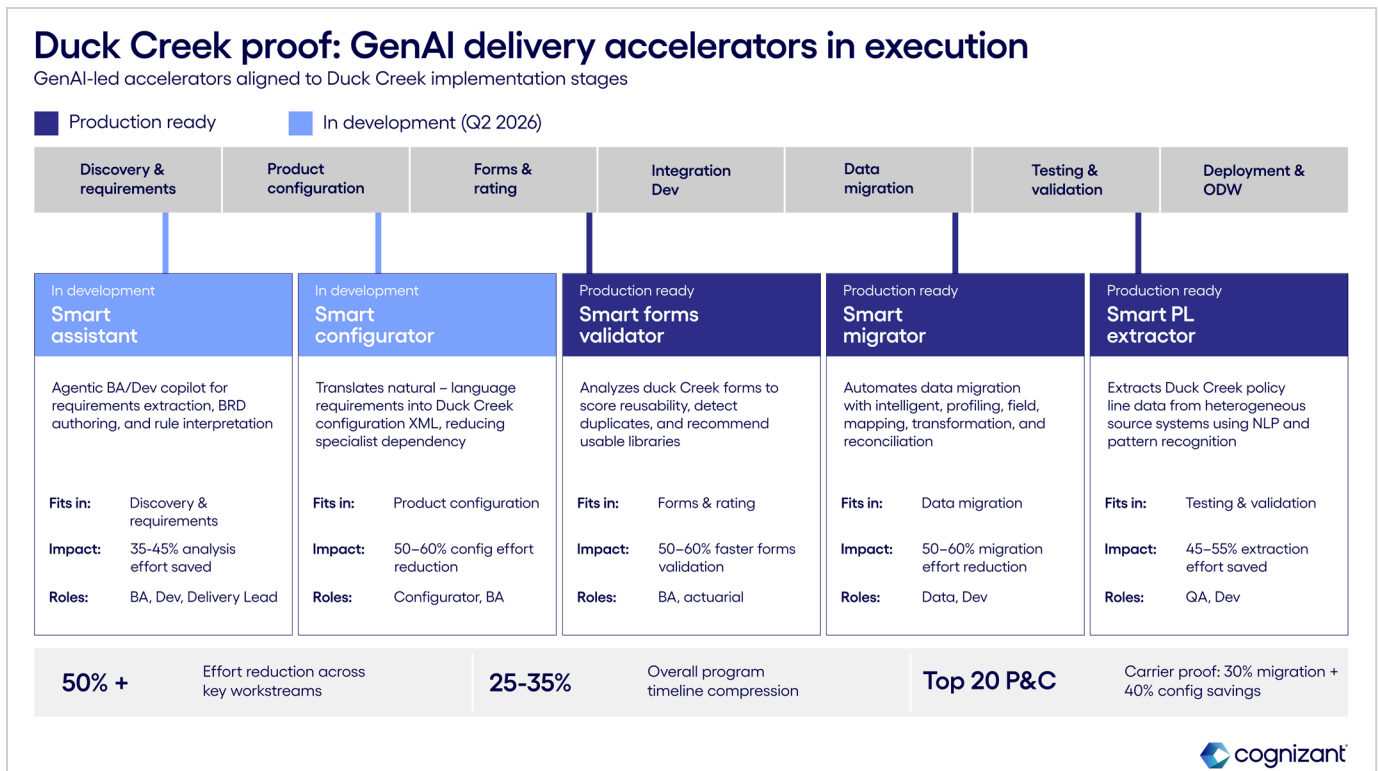
Top 20 P&C carrier

Northeast US, Multi-line commercial and personal lines,
Duck Creek Policy + Billing



AI accelerators across the full implementation lifecycle

Each of the seven Duck Creek implementation stages is paired with a purpose-built AI accelerator — compressing timelines, improving quality, and reducing specialist dependency throughout delivery.



The accelerator portfolio

Production ready — deployed and delivering value

Accelerator	Problem solved	Capability	Reduction
Smart migrator	High-effort manual migration with complex field mapping	Agentic AI with automated profiling, intelligent field mapping, transformation generation, and validation	50-60%
Smart forms validator	Redundant forms development with no reusability scoring	AI forms analysis engine scoring reusability, identifying duplicates, and recommending library candidates	50-60%
Smart PL extractor	Manual policy line data extraction causing bottlenecks	NLP and pattern recognition across heterogeneous source systems for intelligent policy line data extraction	45-55%

In development — piloting and refining (expected Q2 2026)

Accelerator	Problem solved	Capability	Expected
Smart configurator	Manual Duck Creek configuration requiring scarce specialist expertise	LLM-powered transformation of business product specs to Duck Creek configuration artifacts — for expert review and approval	50-60%
Smart assistant	Unstructured knowledge, slow onboarding, manual documentation	Agentic BA/Dev copilot with Duck Creek domain knowledge for requirements extraction, BRD authoring, Q&A, and delivery productivity	35-45%

Future roadmap — design and planning (H2 2026)

Accelerator	Capability	Target
Financial authority configurator	AI-driven authority matrix generation from governance frameworks	40%
Custom ODW setup tool	Automated ODW provisioning and AI-guided configuration validation	55%
ACORD mapping generator	Auto-generate ACORD-to-Duck Creek mapping sheets using LLM knowledge of Duck Creek models	60%
Circular management tool	AI-powered bureau circular monitoring and automated change propagation	45%

Accelerator impact across the implementation lifecycle

Stage	AI Accelerator	Effort impact
Discovery & requirements	Smart Assistant	35-45% analysis effort saved
Product configuration	Smart Configurator	50-60% config effort reduction
Forms & rating	Smart Forms Validator	50-60% faster forms validation
Integration development	Smart Assistant + Code AI	35% code productivity gain
Data migration	Smart Migrator	50-60% migration effort reduction
Testing & validation	Smart PL Extractor	45-55% extraction effort saved
Deployment & ODW	ODW Setup Tool (roadmap)	Accelerated ODW provisioning

GenAI maturity model for insurance platforms

	Description	Timeline/Action
Level 5 Autonomous operations	Human-oversight orchestration. Straight-through processing at scale	
Level 4 Intelligent delivery platforms	AI-native Duck Creek operations. Full lifecycle management with observability and multi-agent orchestration.	Within 24 months
Level 3 GenAI-augmented delivery	All 9 accelerators embedded across the Duck Creek lifecycle. AI-assisted configuration, migration and testing	Target: 12 months
Level 2 Productivity AI	Most carriers are here today. GenAI accelerators embedded across Duck Creek lifecycle	6-8 wk pilot to start
Level 1 Certified	Isolated pilots, limited production deployment	

Technology foundation

All nine accelerators run on a five-layer cloud-native architecture deployed within the carrier's own Azure tenant — no data leaves the insurer's cloud boundary.

Layer	Components
User Layer	ReactJS - role-based access - Duck Creek-aligned UX
AI Orchestration	LangChain - RAG pipelines - GPT-4o - PHI/PII redaction guardrails
Microservices	Python - REST APIs - Insurance Domain Logic - Duck Creek Adapter Services
Azure Cloud	Functions - Web Apps - Container Apps - API Mgmt - Key Vault - Cosmos DB
Duck Creek Platform	Policy - Billing - Claims - ODW Analytics - API Gateway

Enterprise security: All accelerators run within the carrier's Azure tenant. Role-based access inherited from insurer's Azure AD. Full audit logging. No client data used to train models. SOC 2 Type II and NAIC cybersecurity framework aligned.

Data protection: When configured with zero data retention, Azure OpenAI ensures prompts and completions are not stored or used to train models. Carrier data remains within the carrier's Azure tenant at all times.

Where to start

Migration wave: Deploy Smart Migrator and Smart PL Extractor on your next migration. Run a 6-8 week pilot on one data domain before scaling across the full program.

New product launch: Use Smart Configurator and Smart Assistant to compress Duck Creek product setup from weeks to days — ideal for a single commercial lines product.

Forms rationalization: Run Smart Forms Validator across your forms catalog to eliminate duplicate development, standardize the library, and reduce compliance exposure.

Ready to accelerate your Duck Creek program with AI?

Cognizant's Duck Creek GenAI team is available to scope a 6-8 week starter pilot tailored to your program — whether you're mid-migration, launching a new product, or rationalizing your forms library.

Let's talk. Visit www.cognizant.com or contact your Cognizant Duck Creek account team.



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