Speed and zero-coding model templates with ReMetrica V8

Analysts are requiring faster runtimes and more efficient ways to build and expand risk and capital models. As management turns to modelled insights to make informed decisions, this has resulted in more regular updates to risk and capital models to reflect evolving business strategies. In response, Aon has created V8 of its ReMetrica risk and capital modelling platform. New features include the superfast **Gen3** components and the **dynamic model builder** which enables models to be automatically created from templates without writing any code.

Superfast Gen3 Components

ReMetrica V8 contains a new simulation engine that allows analysts to achieve runtimes of up to 55 times faster than a typical CPU run for a catastrophe reinsurance model.
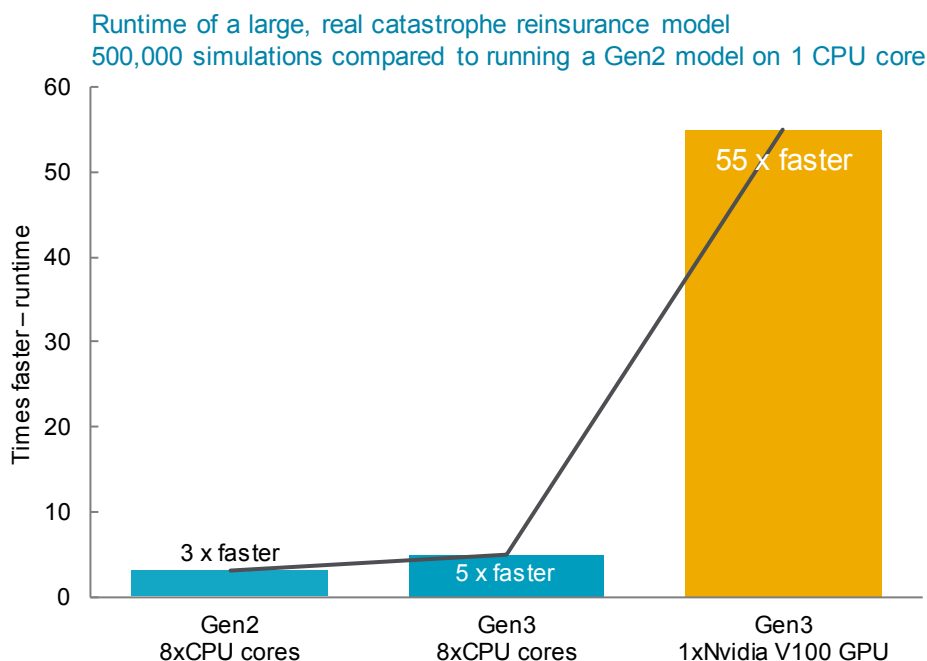
This is powered by new Gen3 components that are coded in C# to drive speed and transparency, and use NVIDIA CUDA to allow for parallelized execution on both multi-core CPU and GPU architectures. Existing V7 studies with Gen2 components will run in V8 exactly as before. Studies can combine Gen2 and Gen3 models by using automation workflows.

How can you benefit from V8?

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Runtime of a large, real catastrophe reinsurance model
500,000 simulations compared to running a Gen2 model on 1 CPU core

In addition to speed, the Gen3 components bring:
- flexibility and speed by being small and modular with the ability to easily consolidate into groups of components for a specific modelling function.
- Transparency of the business logic and code so users can customise components.
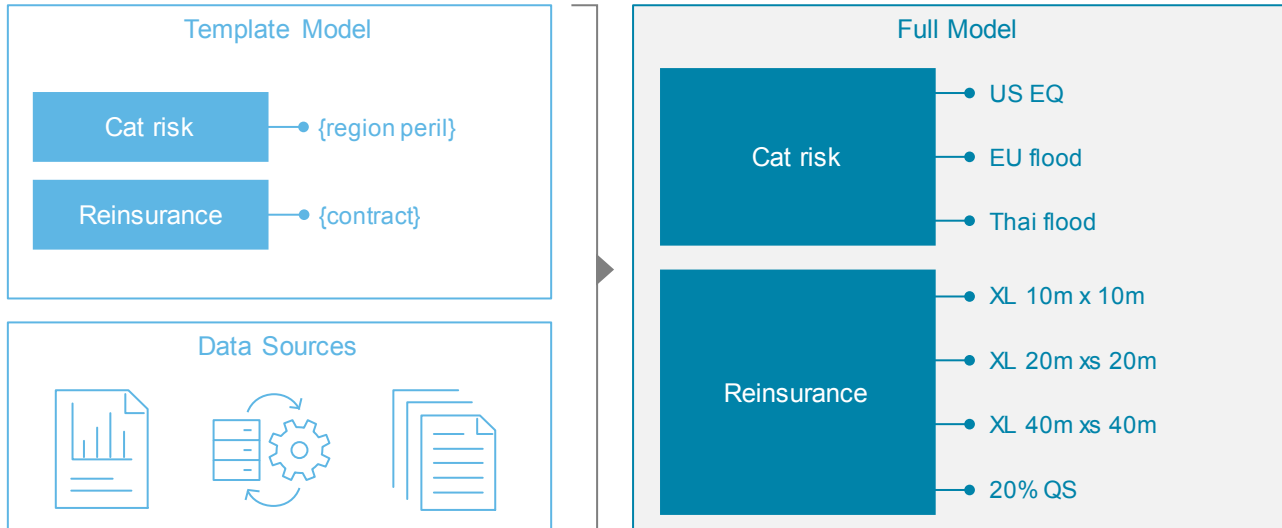
Dynamic Model Builder

As insurance companies evolve, modelling must adapt to reflect business planning and reinsurance strategy. ReMetrica's **dynamic model builder** enables models to be automatically created from templates without writing any code.

The dynamic model builder's zero-coding approach empowers technical model builders to create reusable templates.

This in turn means that non-technical users can simply add their data to the template to automatically create a bespoke model. Analysts can then simply focus on running the models and analyzing the results for business purposes.

The dynamic model builder:

- facilitates a shift from manual error-prone processes to automated model-building that frees up time to run models, analyse and test the data
- drives efficiencies through the ability to create bespoke modelling apps in-house for immediate use
- quickly responds to business needs – such as changes to business lines – without requiring any changes to the modelling templates.

About ReMetrica

ReMetrica® is Aon's award-winning dynamic financial analysis (DFA) modelling tool for enterprise risk management and economic capital modelling. Users can harness insurers' data to optimise financial planning and reinforce strategic decision making. ReMetrica is designed to allow insurers, reinsurers, consultants, captives and regulators to easily bring insightful, risk-based financial modelling to the forefront of strategic decision-making.