

Net Core Genesis

Application
Builder



CLI & Code Generator

For Microservices, SaaS
and Corporate
Blockchain Applications

Speed Up Your Software Development by up to 80%

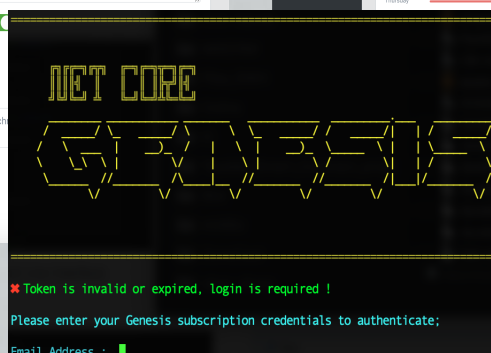
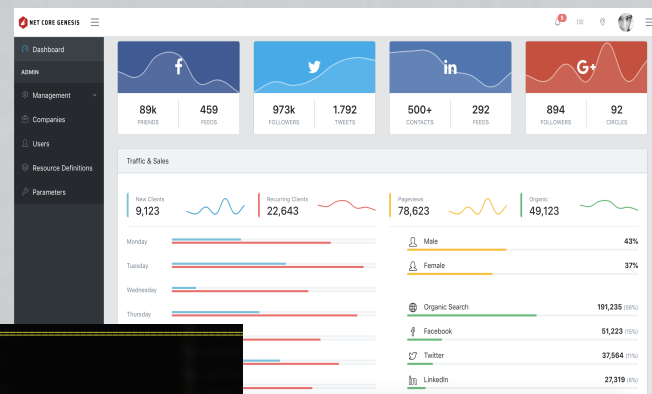
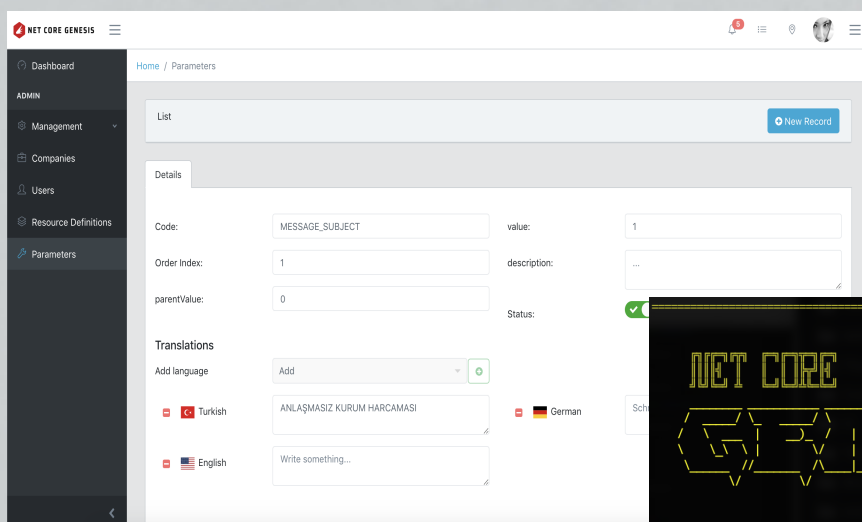
When you start a new project, there are lots of common infrastructural tasks and routine developments forcing you to spend valuable time re-inventing the wheel instead of focusing on your core business. Net Core Genesis helps you get jobs done ahead of your schedule by providing you a ready-to-go Dot Net Core project solution.

LEAN
ARCHITECTURE

CLI BASED CODE
GENERATOR

PSD2 READY

BLOCKCHAIN
READY



Why need a CLI Code Generator?

Almost all businesses today need to rely on strong IT architectures. Whether it be a startup that needs a robust framework to scale to global, a bank that needs PSD2 compliance, or a software company that needs an end to end architecture with standardized development and Continuous Integration / Deployment guidelines. A cross platform Command Line Interface generates all the strong code necessary to bootstrap your business from Day 1.

Wow, I'm Interested!

Legacy businesses, or even new startups gather teams that spend months/years of UI & Backend development effort, at the same time trying to establish Devops and scalability best practices yet failing to re-invent the wheel. Net Core Genesis, provides a full development architecture with source-code generation and templates. Helping you and your team focus on business developing !

Starting Point of Your Enterprise Applications

When you plan to start a transformation project, first thing you'll need will be the tech stack of the next decade. Microservices, API Layers, Data Access, Authentication, Authorization, Workflow, Localization, Logging, Auditing, Ready UI Components, Exception Handling System, Caching, Scalability, Blockchain Smart Contracts, CI/CD Pipelines, Package Management, Dockerization and many other cool features will come ready for you out of the box!



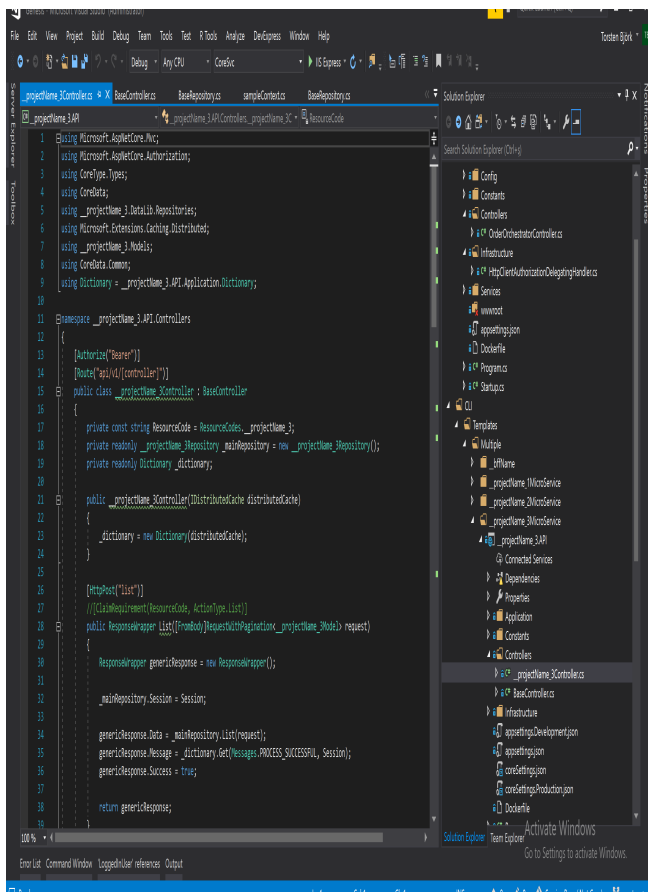
How Does It Work?

You point your database and Net Core Genesis generates a working solution, plus a framework with all the best of the breed components integrated.

Using a CLI, you generate all the backend APIs and a runnable web application in minutes. A banking-grade architecture and a framework where a team of 7 can develop in 8 months, comes with the generated code.

When your business requirements change, you can use the CLI to update your system. Since you have all the code you are also free to do all the customization you need!





Generated Code Conforms to a Scalable & Performant Architecture

Your system will be ready to serve thousands of requests from Day 1

Why choose Net Core Genesis?

- You can generate the solutions and configure the system through CLI on any platform remotely.
- Having access to full source code eliminates risks in critical projects and provides full ease of customization.
- Our JSON-DSL framework on top of React, makes Web development fun!

Testimonials

8 months of work completed in 1 week!

Central Bank Use Case

"We pointed our 300-tables database in CLI and watched months of existing effort auto-generated in minutes. Rest of the effort took couple of days to customize."

100%

"Even your analysts will start developing!"

What you get from Day 1?

- Cross Platform support on Linux, Windows and Mac
- Restful API based on Microservices templates
- Blockchain templates
- Dockerization



Don't be afraid to think different!

Net Core Genesis is different than other no-code or low-code system providers. You are the boss of your Intellectual Property. You don't hit a brick wall when you need to extend your system. You don't need to invest in months of dev effort to come up with a half working framework.

With Net Core Genesis, you'll have standardization in every part of your development and devops lifecycle.

Who cares your IP?

What if your architect leaves you in the middle of a transformation project?

How many times did your developers quit the job and you had to re-develop your core business again and again?

Service Scaffolding

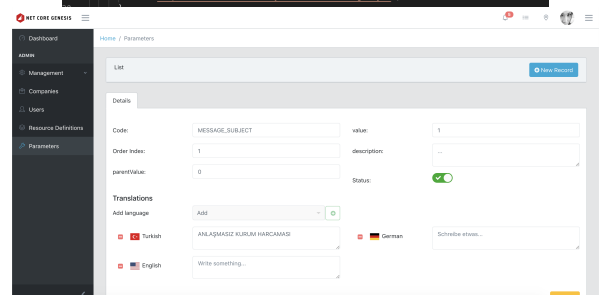


- An exciting new feature: Point your existing Service Endpoints and Net Core Genesis will generate the UIs and optionally the wrapper API.
Coming Soon!

React Development Standardized

Net Core Genesis comes with a very strong React UI framework. You'll not just love developing React Web applications but your team will also love following standards and guidelines.

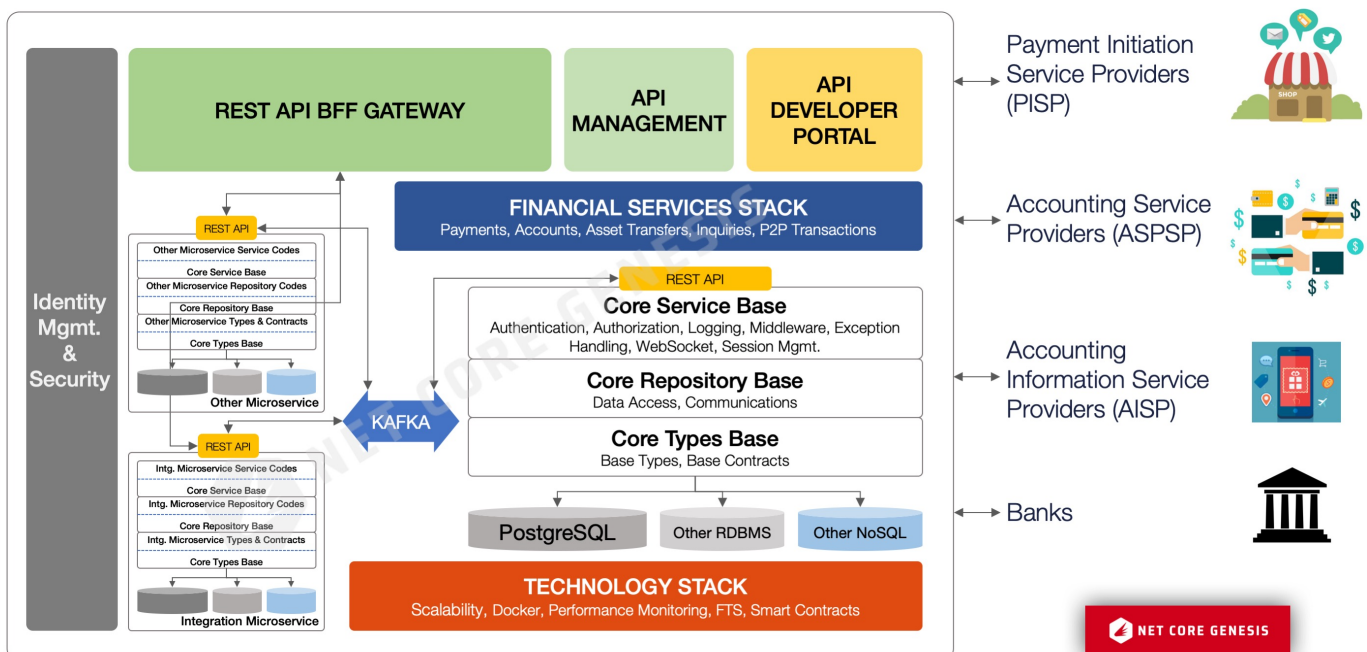
```
PaymenttransactionPageConfig.ts
1 import { IPageConfig, Methods, pageConfigWrapper, Tables } from '../common/typeConfig';
2 import Paymenttransaction from '../entities/Paymenttransaction';
3 import { getLocalizedText } from '../common/localizationManager';
4
5 const { LIST, GET, INSERT, UPDATE, DELETE, EXPORT, IMPORT } = Methods;
6
7 var pageConfig: IPageConfig = {
8   headerTitle: 'Paymenttransaction Header',
9   tabs: [
10     {
11       title: 'Paymenttransaction Title',
12       type: Paymenttransaction,
13       resourceCode: 'TestResource',
14       editMode: false,
15       list: {
16         url: 'http://localhost:5851/Paymenttransaction/List',
17       },
18       get: {
19         url: 'http://localhost:5851/Paymenttransaction/getById',
```



PSD2 Compliant

Architecture

NETCOREGENESIS FOR PSD2 COMPLIANT ARCHITECTURES



If you are a bank, Net Core Genesis will help you streamline API generation process with enhanced security and OpenID, OAuth 2.0 support.



If you are a startup, or a software house, you'll find all necessary components to build a SaaS Platform, a fin-tech API or a cloud application integrated is one single architecture.



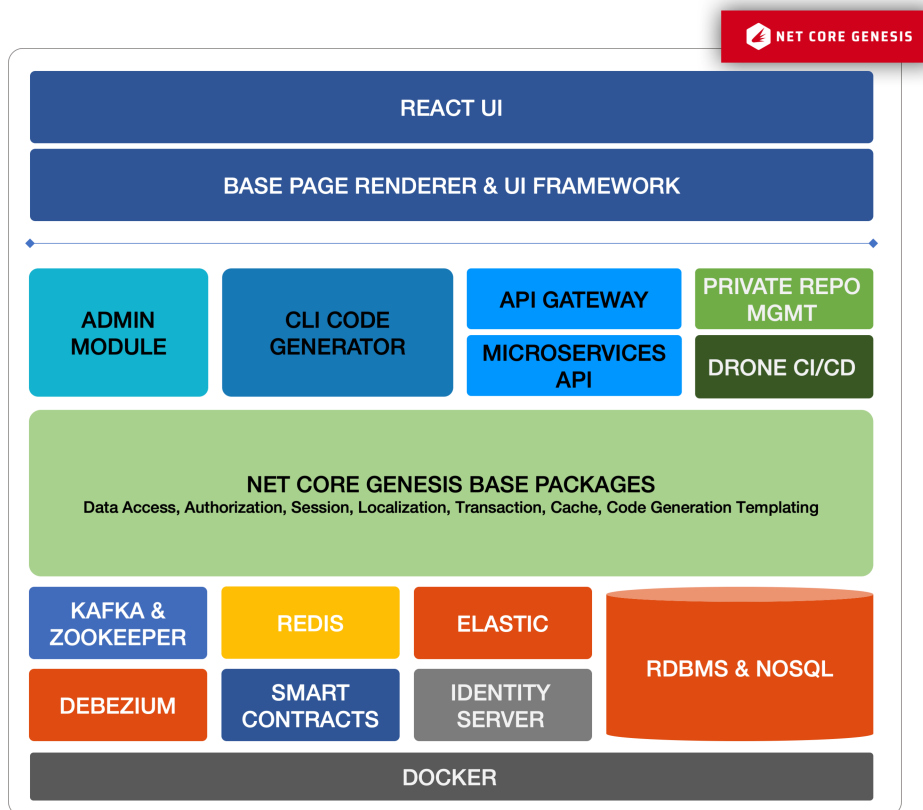
Net Core Genesis will provide all necessary elements towards Open Banking Initiative, Scalability, Security and Performance



If you are a PISP, AISP or ASPSP, Net Core Genesis will help you build your microservices stack from ground zero at the cost of a developer's monthly cost. An opportunity not to be missed .

Blockchain Ready

Architecture



Net Core Genesis will provide you ready made templates for developing private/federated blockchain applications.



A sample Issue Management smart contract and DApp (Distributed App) will be included in the package along with implementation best practices.



A sample KYC (Know Your Customer) Onboarding smart contract and DApp (Distributed App) is included in the package along with implementation best practices.



Blockchain templates will be based on real life scenarios that have been applied and used in production environments.

CONVENTIONAL BANKING TRANSFORMATION

Net Core Genesis (NCG) provides the necessary technology toolkit and architecture for high-end transformation projects. Here's what a Bank gets:



MODEL BANKING FRAMEWORK



SPEED: Traditional banking transformations last 3-8 years. NCG will reduce this time by 80%.



HEADCOUNT REDUCTION: Traditional banking transformations need 100-1000 devs / engineers. NCG will reduce the need by 1:10 (tenfold)



LICENSING: Traditional banking transformation budgets ignore database & application server license costs, generally millions of \$ in the long run. NCG is based on open source and helps banks manage IT budget like a cloud based startup.

TELCO TRANSFORMATION

Net Core Genesis (NCG) provides the necessary technology toolkit and architecture for customer-centric Telco digitalization and transformation projects. Here's what a Telco will get:



MODEL TELCO FRAMEWORK



DEVELOPMENT AUTOMATION/REDUCTION



ANALYTICS ON STREAMING DATA BY CDC (Change Data Capture)



ARCHITECTURE CONSOLIDATION












ASSET TOKENIZATION (BLOCKCHAIN)



MICROSERVICES SCALABILITY

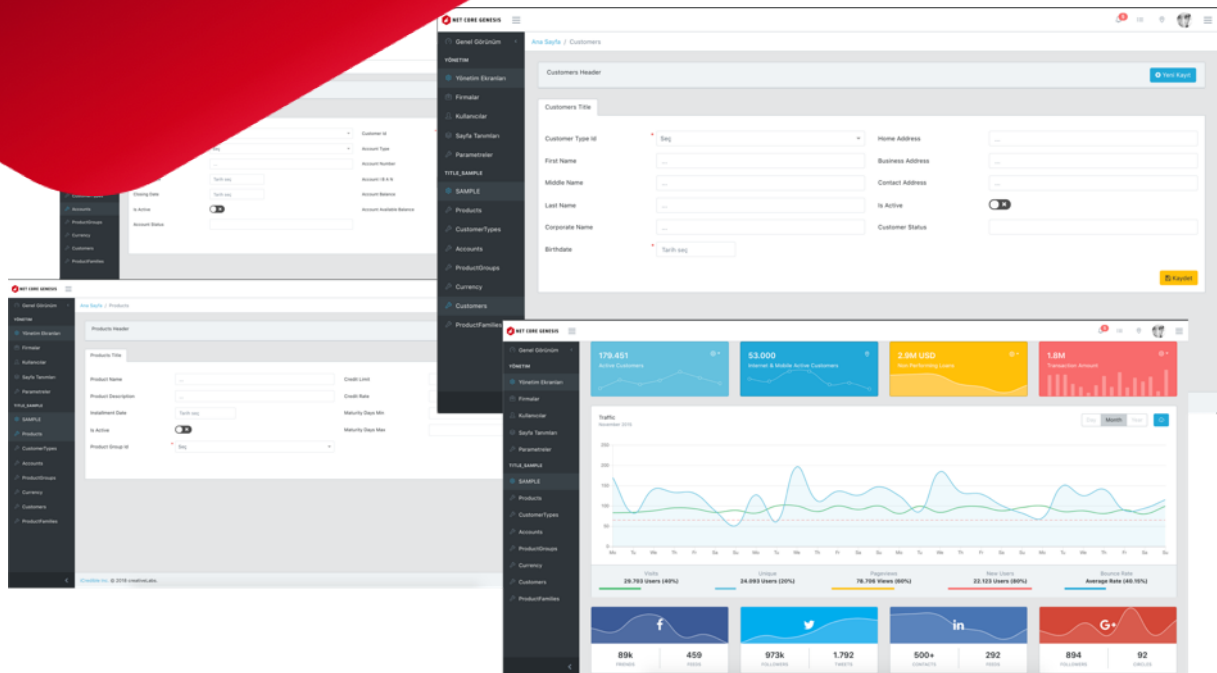
DEMO: Developing a Bank's CAP (Customers, Accounts, Products) Module Based on a Sample Model

- ▼  Tables
 - ▶  accounts
 - ▶  commissionRates
 - ▶  currency
 - ▶  customerTypes
 - ▶  customers
 - ▶  productFamilies
 - ▶  productGroups
 - ▶  products
-

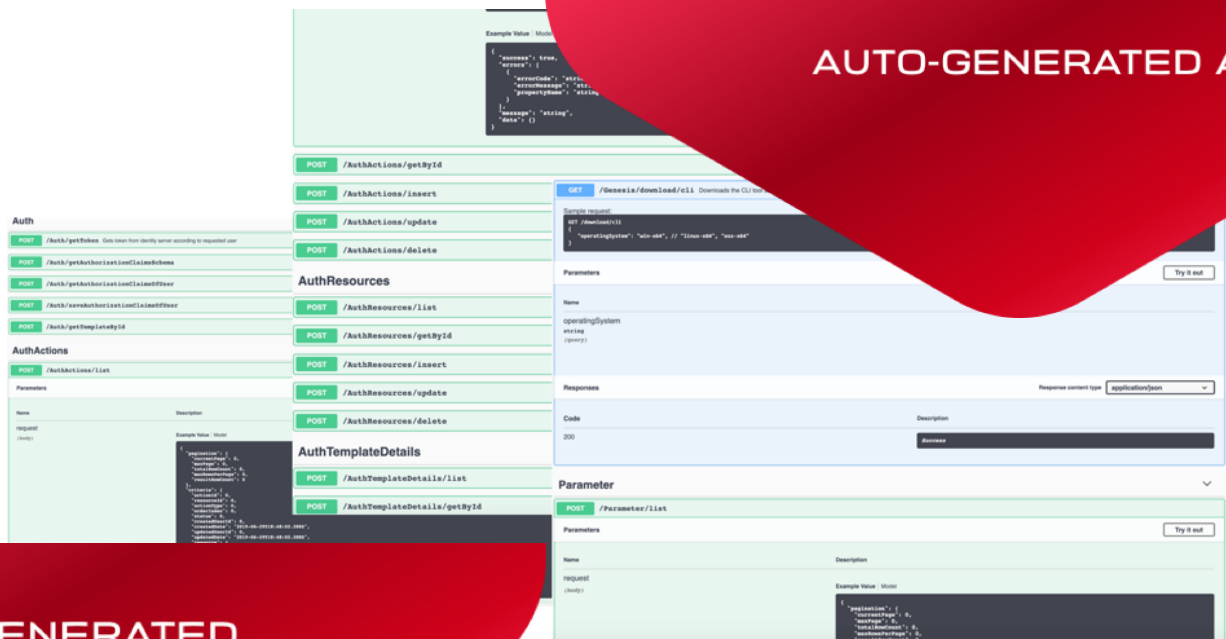
AUTO-GENERATED: Customer & Account Opening, Account & Product Definitions, Web Services and the Banking Grade Tech Stack in 20 minutes (instead of Weeks)



AUTO-GENERATED SCREENS



AUTO-GENERATED APIs



AUTO-GENERATED SOLUTIONS / SOURCE CODE




```
Dependencies Checking...
--> git ✓
--> yarn or npm ✓
--> Dotnet SDK 2.2+ ✓
--> Docker ✓

Please choose template type
(1) - Single Microservice (Monolithic)
(2) - Multiple Microservices and a Gateway
Chosen option : Multiple Microservices and a Gateway

Application/Solution Name : Default=(My_Application) Accounting
Folder named "Accounting" is already exists.Please rename or delete the folder.
Application/Solution Name : Default=(My_Application) Payment

Backend For Frontend Name : Default=(BFF) OrderReceiverBFF

Microservice 1 Name : Default=(Microservice_1) Inventory

Following questions are related to this project.
Database Type
(1) - MSSQL
(2) - PostgreSQL
(3) - MySQL
```

CODE GENERATION MADE EASY





Request a Demo

Segersbyvägen 7, 145 63 Stockholm, Sweden
info@netcoregenesis.com | <https://netcoregenesis.com>

Telephone: +46 (0) 8 444 0 444

