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Company Profile

Manufacturing

Elinext Company Overview

Since 1997

In custom software development

7

Development centers in Europe and Asia

700+

In-house employees 85% are software engineers

300+

Clients worldwide

Focus on specific domains:

- Web & Mobile Apps
- UI/UX Design
- CRM & Customer Engagement

- ERP & Asset Management
- IoT & Infrastructure Management
- Cloud Computing & SaaS Development

- Blockchain
- DevOps

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Technologies

Backend

Java

Python

Node.js

.NET/C#

C/C++

Solidity

PHP

Frontend

React.js

Javascript

Angular

Typescript

Vue.js

Mobile

Kotlin

Swift

Flutter

React Native

Cloud

AWS

Azure

GCP

Digital Ocean

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Quality Certified

Ensured by Elinext Management System:

LL-C (Certification) ISO 9001
Certified Quality Management

LL-C (Certification) ISO 27001
Certified Information Security Management

Google Cloud Certified — PROFESSIONAL CLOUD ARCHITECT
Google Cloud Certified

aws certified Solutions Architect Associate
AWS Certified

Microsoft CERTIFIED AZURE SOLUTIONS ARCHITECT EXPERT
MS Azure Certified

Proven by dedicated external audits:

- Code Review
- Static Analysis
- Dynamic analysis
- QA and unit-tests
- Continuous Integration
- Rules and processes

Continuous competence development:

- Best-practice and knowledge sharing in onboarding process.
- Professional trainings, including external courses.
- Developer conferences and international hackathons

We develop medical solutions strictly in line with product/process quality and security standards, including:

ISO 9001	ISO 27001	IEC 61508	IEC 62443	ANSI/ISA-95
IATF 16949	IAQG 9100 – IRIS	FDA 21 CRF Part	GMP/GLP	

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Manufacturing Clients

STIHL®

A German company specializes in manufacturing chainsaws and other handheld power equipment, such as trimmers and blowers. Today, STIHL products are available in over 160 countries, facilitating tasks in professional forestry, agriculture, landscape, construction, and for meticulous homeowners worldwide.

Ongoing Cooperation for 3 Years

A Team Leader, 2 Mid-Level Developers, Quality Assurance Engineer

Time And Materials

Automation Intellect

Automation Intellect offers advanced manufacturing analytics to optimize production and improve equipment effectiveness. Using IoT, cloud computing, and AI, they enable data-driven decision-making and operational efficiency for various industries.

Ongoing Cooperation

Front-End and Back-End Developers, System Architects, And Testers

Time And Materials

TRUMPF

TRUMPF is a global leader in industrial machine tools and laser technology, offering innovative solutions for sheet metal processing and various industrial applications.

Several Months

One Mobile Developer

Fixed Cost

SIEMENS

Siemens AG is a multinational technology conglomerate. Its operations encompass automation and digitalization in the process and manufacturing industries, intelligent infrastructure for buildings, etc.

Ongoing Cooperation Since 2005

Five Teams Consisting Of 6–7 Specialists Each

Time And Materials

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Manufacturing Expertise

Manufacturing Execution Systems	Work order management	Production scheduling	Resource allocation and tracking
	Machine performance analytics and reporting	Real-time data collection from equipment, sensors, and operators	
MRP and ERP Solutions	Custom MRP and ERP systems development	Ready-made MRP and ERP solutions customization and integration	Capacity planning
	Supplier and inventory management	Raw materials and consumables tracking	
Workforce Management Solutions	Centralized schedule management	Time and attendance tracking	Leave management
	Performance metrics and KPIs analysis	Integration with HR and payroll systems	

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Manufacturing Expertise

Industry 4.0 Solutions	Digital Twin applications	Industrial Internet of Things (IIoT) solutions	Real-time asset tracking
	Computer vision-driven quality control	AI-powered analysis of facility's efficiency, production cycles, and more	Web, iOS, and Android support
Predictive Maintenance Systems	Real-time equipment status monitoring	ML-powered failure or maintenance needs prediction	
	Remaining Useful Life (RUL) prediction	AI-driven recommendations on performance optimization	
Human Machine Interfaces	Integration with control systems (PLC, SCADA, DCS)	Touch and gesture control	Role-based access control
	Data viewing restrictions	Real-time data visualization (graphs, charts, animations, notifications, etc.)	

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Manufacturing Expertise

Environmental, Health and Safety Systems

- Incidents and accidents tracking
- Audits and inspections planning
- Training and competency management
- Compliance requirements management
- Correction and prevention actions (CAPA) management

Product Lifecycle Management

- Real-time collaboration tools
- Lifecycle planning and quality control
- Service and maintenance management
- Engineering changes management
- Product data management including CAD models, BOMs, specifications, etc.

Supply chain Management

- Demand forecasting and planning
- Supplier analytics based on historic and real-time data
- Procurement KPIs monitoring
- Order fulfillment and execution
- Real-time inventory data analysis
- Warehouse management

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A Germany-based provider of industrial equipment and software

Manufacturing Execution System (MES)

Five Elinext teams are working on the project, improving the legacy MES model, introducing new features, and helping integrate the system into end customers' environments. Currently, the system's ROI reaches up to 400%.
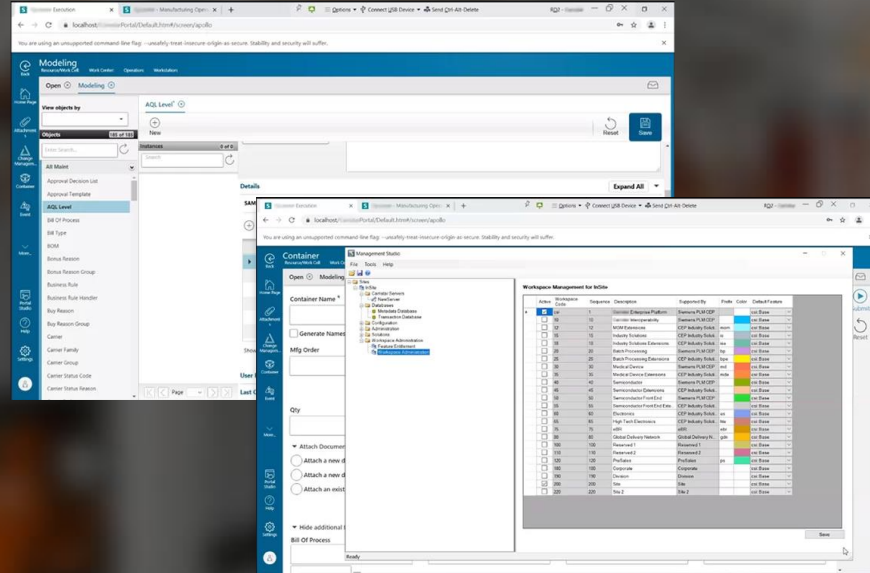
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Features

- Collecting and storing data
- Launching and pausing production
- Managing documentation
- Managing human resources
- Monitoring the manufacturing process
- Managing materials, equipment, and operations
- Quality control

Technologies

- C#
- PL/SQL
- TRANSACT SQL
- C++
- ANGULAR
- JQUERY
- JAVASCRIPT
- .NET
- ORACLE
- MS SQL

Software For Roofing And Solar Paneling Contractors

The Elinext team stepped up to help the client develop a solution that enables solar panel contractors to calculate a project's cost, request materials, quote clients, manage sales, etc. The solution complies with data security and regional architectural requirements..
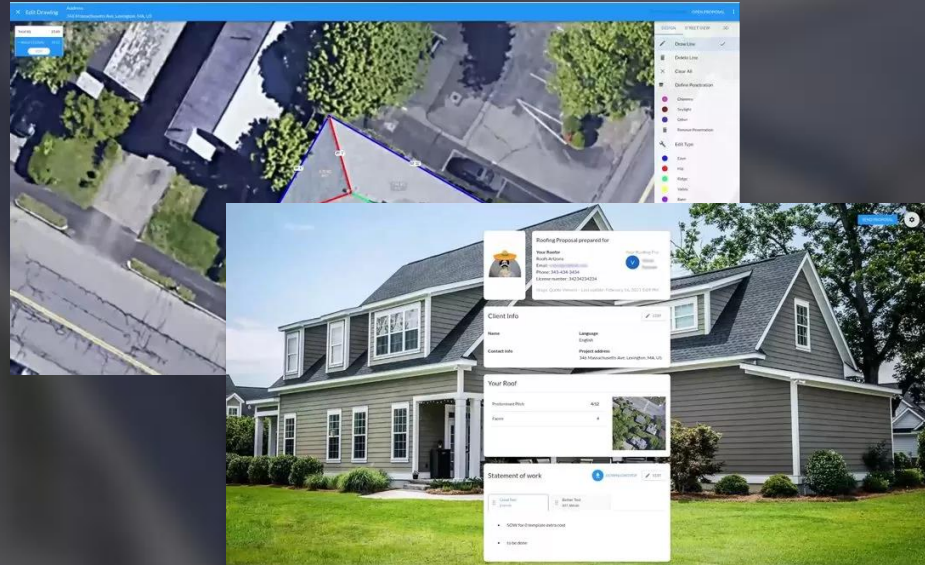
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Features

- Size measurement and automated materials estimation
- Catalogs of materials and solar panels
- Site assessment
- Interactive quote creation
- Customer relations management
- Admin panel

Technologies

- NODE.JS
- REACT.JS
- EXPRESS.JS
- MS SQL
- AWS EC2
- TYPESCRIPT
- DOCKER

A Comprehensive Sales Analytics Platform

To help the client implement a targeted approach to dealer partnerships, the Elinext team delivered three applications: a dealer management app, a CRM system, and an app for market research.
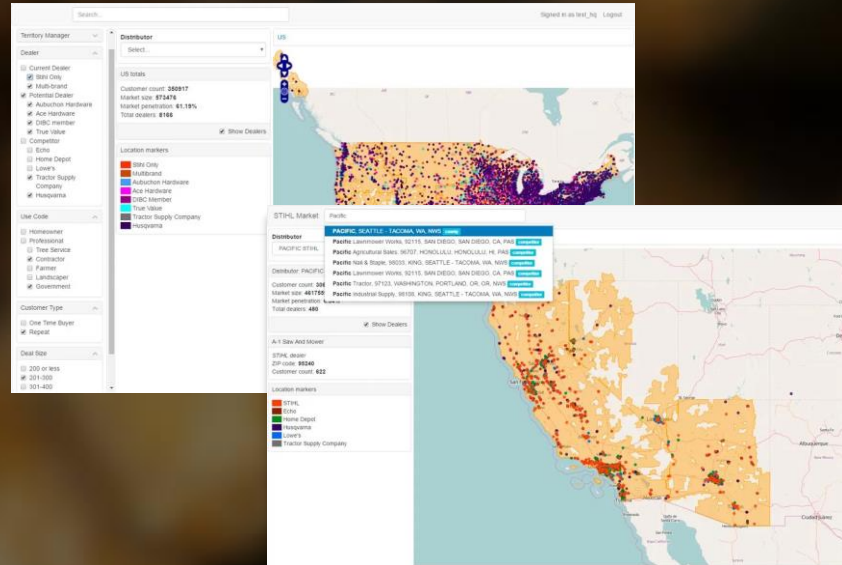
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Features

- Tracking dealers' performance
- Monitoring the product mix, customer diversity, etc.
- Lists of orders with details of each deal
- Customer profiles, purchase history, field notes
- A multi-layered system of permissions and roles

Technologies

- JAVA
- ANGULAR
- SPRING BOOT
- FRONT-END

Real-Time Data Insights Of Machines Performance

The project is a robust platform that obtains vital operational data directly from a factory machine and offers actionable insights to improve the Overall Equipment Effectiveness.
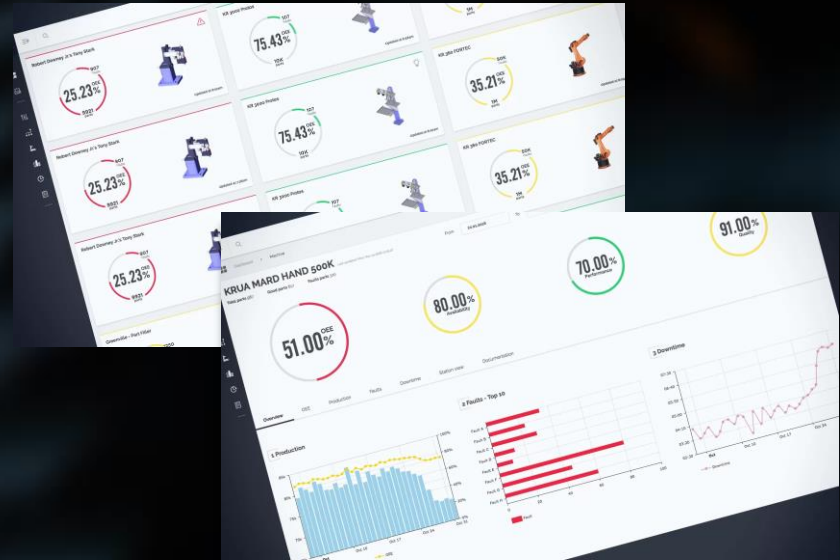
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Features

- Collecting data from edge devices
- Analyzing raw machine data
- Role-based access control and data access control
- Interactive machine data visualization
- Real-time data update support based on SignalR

Technologies

- C/C++
- ANGULAR
- .NET
- ASP.NET
- S3

- PYTHON
- SIGNALR
- MYSQL
- DYNAMODB
- DEVOPS

LiDAR Management Solution

Within six weeks, the Elinext team delivered a robust interface to enable end users to manage the LiDAR systems installed on their premises / equipment. The interface consists of two modules: the Configurator and the Wizard.
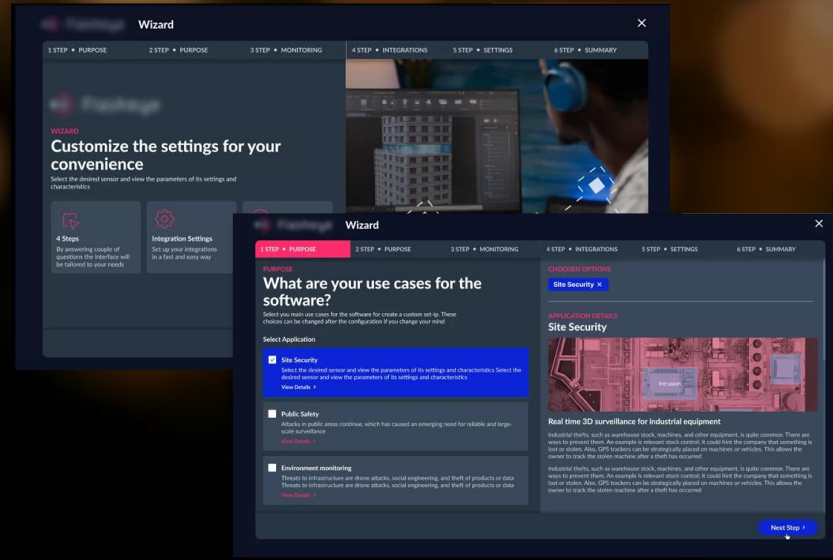
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Features

- Integrating the Wizard with the user's system (a CCTV circuit, a data server, etc.)
- Calibrating sensors in the Configurator
- Organizing sensors into groups for easy monitoring
- Custom localization with specific fonts and text files

Technologies

- JAVA
- ANGULAR

CLIENT

A Swedish company specializing in installing and maintaining light detection and ranging devices

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Punch Force Calculator For TRUMPF Machines

The Elinext team was tasked to create an easy-to-use application to simplify punching calculations like punching force, cutting clearance, pre-punching diameter, maximum edge length, stripper selection, sheet weight, etc.
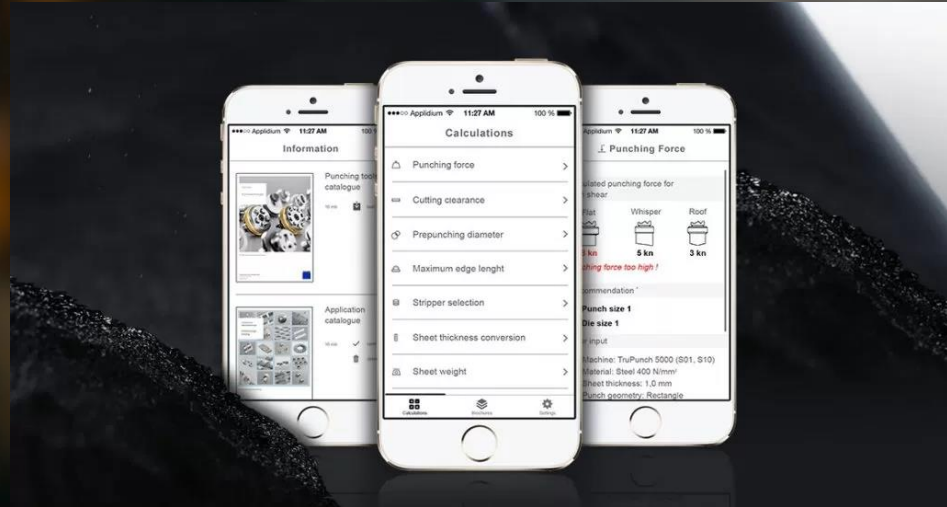
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Features

- Switching from metric to imperial units
- Supporting multiple languages
- Downloading brochures for offline reading
- Available on iPhone, Android, and web

Technologies

- ANGULAR JS
- APACHE CORDOVA
- HTML

SENTRON Knowledge Interface: QR And Barcode Scanner App

The client engaged Elinext to develop an iPhone/iPad app to scan QR and linear barcodes on products and get up-to-date technical information. For that, our developers combined two free APIs into one that has no analogs.
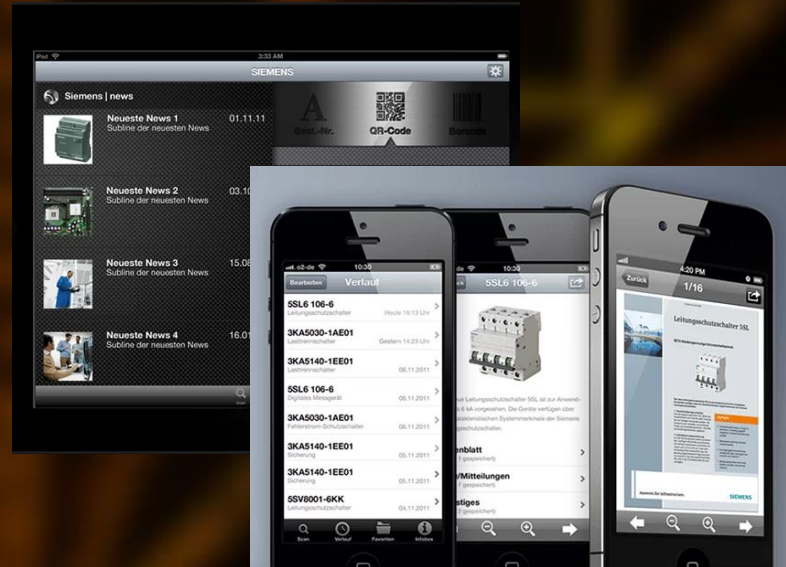
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Features

- Barcode recognition
- The ability to choose the type of scanner
- Asynchronous file downloading
- PDF and HTML viewing
- Storing files in a database
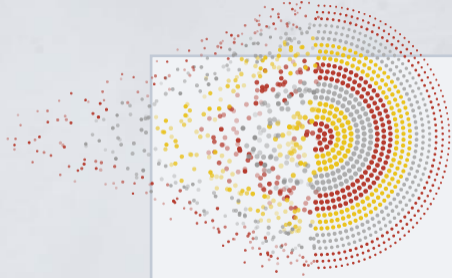- Displaying projects and devices marked as favorite

Technologies

- COREDATA
- C/OBJECTIVE-C
- UIKIT
- QUARTZCORE
- MAPKIT
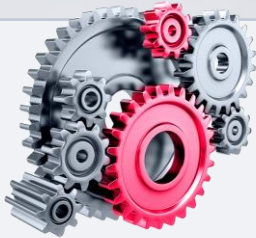- COREVIDEO

Solutions We Deliver

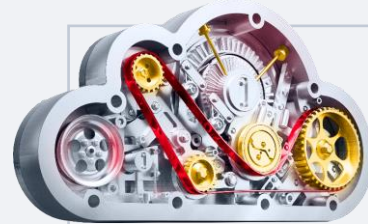**Data Management & Big Data**

Business Intelligence / Analytics

Artificial Intelligence, Machine Learning, Robotic Process Automation

Quality Assurance

Internet of Things

Cloud-Solutions

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Cooperation Models

Fixed Cost

- To freeze project costs having a very detailed scope of work and schedule

- To avoid investing too much time in budget control and project tracking

- To develop an MVP or a small-scale product under $50,000 USD

- To have a high level of predictability

Time and Materials

- To be agile and adapt quickly your product to the market demand and internal needs

- To control the project costs and progress but it is difficult to define upfront scope, schedule and scope outlines

- To decrease costs by saving money calculated by the IT vendor for possible project risks

Dedicated Team

- To extend your team's capacity

- To add specific knowledge or skills to your team

- To speed up your development process quickly

- To rely on the vendor's dev team as if it was sitting in our office

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Quality Delivered by the Team
(Agile Model)

Discovery and Design phase
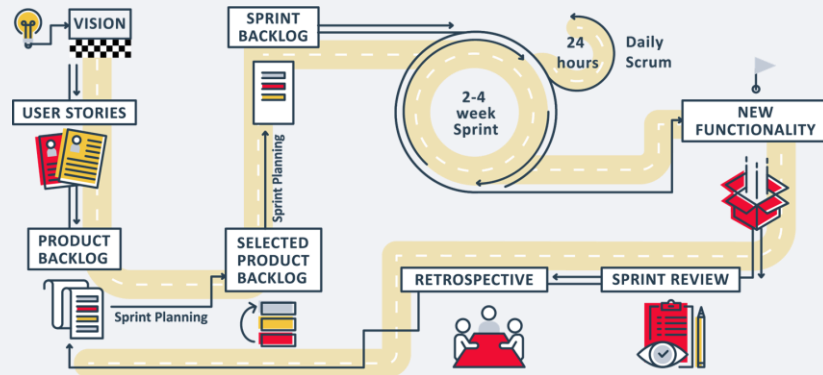
- Team setup
- Plan and prepare
- Refine requirements (Functional and Non-Functional)

- Design
- Architecture
- Infrastructure
- Product backlog

Development – 1 sprint (1-2 weeks) – recurring till the final delivery

- Sprint backlog and planning
- Feature(s)
- "Ready for Release"

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- Feature(s)
- "Ready for Release"

Initial Analysis of requirements, planning, UI/UX Design (1-4 sprints):

- Proof features and their priority by value and complexity

- Design a truly flexible and future-proof solution

- Plan an effective communication model

- Ensure further possibility to develop several services/ features in parallel

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Let's set up a powerful collaboration!

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