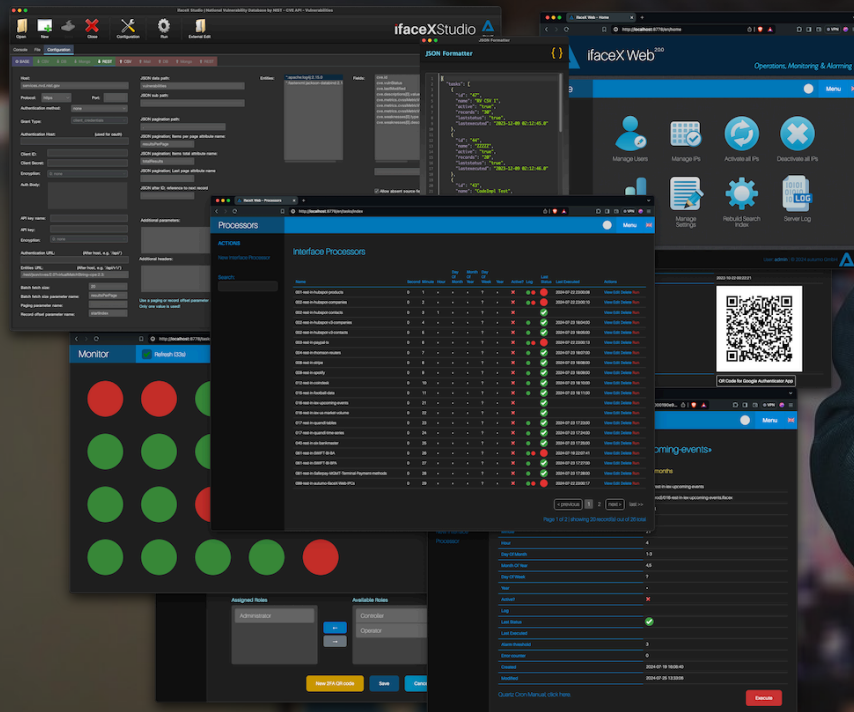


# autumo ifaceX 2.0.0

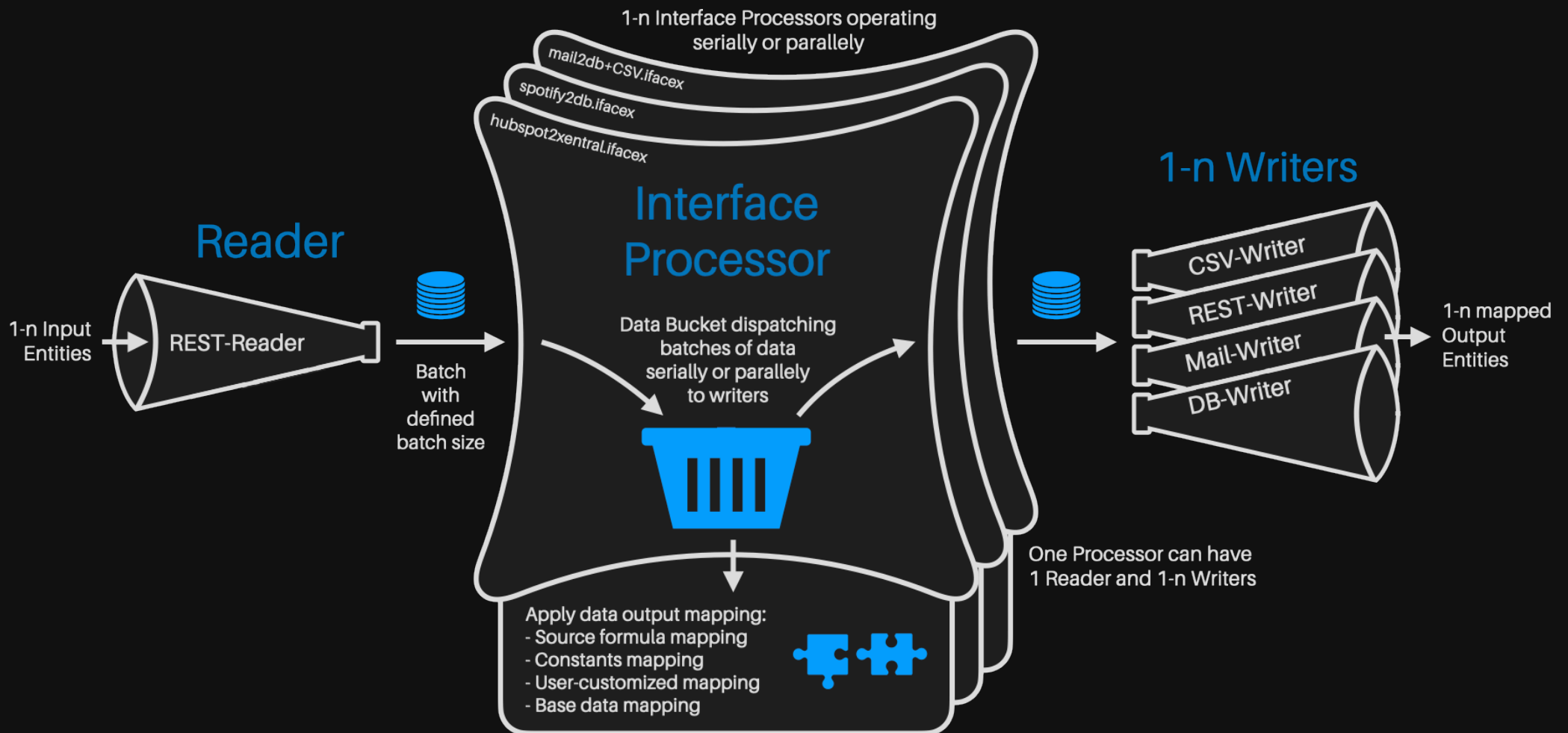
ifaceX is a secure and scalable enterprise interface exchange and monitoring platform that transfers big data from one endpoint to another, such as REST APIs, databases, CSV files & mails with interfaces like HubSpot, PayPal, AWS S3, Spotify or financial APIs, etc. Moreover, it simply executes any process or even programming code that can be monitored as well. Processing can be customized all-including flexible target field mapping based on formulas and data mapping through a drag'n'drop user interface.



«Built to excel in enterprises with settled operation & monitoring»

# ifaceX

- ❖ Run your Interface Processors (IPs); all at once, as many as you want or a single IP
- ❖ Execute the IPs in different modes (serially/atomic/parallelly) & configure processing
- ❖ Besides sending data to REST, databases, CSV and mails etc., you can run and any system program or code



# ifaceX Scheduler

Run ifaceX as a server that executes IPs with an internal scheduler (Quartz Scheduler)

Processors

ACTIONS

New Interface Processor

Search:

hub

001-rest-in-hubspot-products

002-rest-in-hubspot-companies

002-rest-in-hubspot-companies

002-rest-in-hubspot-v3-contacts

002-rest-in-hubspot-v3-companies

002-rest-in-hubspot-v3-contacts

003-rest-in-paypal-bx

004-rest-in-thomson-reuters

008-rest-in-stripe

009-rest-in-spotify

012-rest-in-coindesk

015-rest-in-football-data

016-rest-in-iex-upcoming-events

016-rest-in-iex-us-market-volume

017-rest-in-quandl-tables

017-rest-in-quandl-time-series

040-rest-in-six-bankmaster

061-rest-in-SWIFT-BI-BA

061-rest-in-SWIFT-BI-BPA

081-rest-in-Safepay-MGMT-Terminal-Payment-methods

099-rest-in-autumo-ifaceX-Web-IPCs

Interface Processors

| Name                                              | Second | Minute | Hour | Day Of Month | Month Of Year | Day Of Week | Year | Active? | Log | Last Status | Last Executed       | Actions                                                                              |
|---------------------------------------------------|--------|--------|------|--------------|---------------|-------------|------|---------|-----|-------------|---------------------|--------------------------------------------------------------------------------------|
| 001-rest-in-hubspot-products                      | 0      | 1      | *    | *            | *             | ?           | *    | ✗       | ●●● | ●           | 2024-07-22 23:00:08 | <a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Run</a> |
| 002-rest-in-hubspot-companies                     | 0      | 2      | *    | *            | *             | ?           | *    | ✗       | ●●● | ●           | 2024-07-22 23:00:10 | <a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Run</a> |
| 002-rest-in-hubspot-contacts                      | 0      | 3      | 1    | *            | *             | ?           | *    | ✗       | ●●● | ●           |                     | <a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Run</a> |
| 002-rest-in-hubspot-v3-companies                  | 0      | 4      | *    | *            | *             | ?           | *    | ✗       | ●●● | ●           | 2024-07-23 18:04:00 | <a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Run</a> |
| 002-rest-in-hubspot-v3-contacts                   | 0      | 5      | *    | *            | *             | ?           | *    | ✗       | ●●● | ●           | 2024-07-23 18:05:00 | <a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Run</a> |
| 003-rest-in-paypal-bx                             | 0      | 6      | *    | *            | *             | ?           | *    | ✗       | ●●● | ●           | 2024-07-22 23:00:13 | <a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Run</a> |
| 004-rest-in-thomson-reuters                       | 0      | 7      | *    | *            | *             | ?           | *    | ✗       | ●●● | ●           | 2024-07-23 18:07:00 | <a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Run</a> |
| 008-rest-in-stripe                                | 0      | 8      | *    | *            | *             | ?           | *    | ✗       | ●●● | ●           | 2024-07-23 18:08:00 | <a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Run</a> |
| 009-rest-in-spotify                               | 0      | 9      | *    | *            | *             | ?           | *    | ✗       | ●●● | ●           | 2024-07-23 18:09:00 | <a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Run</a> |
| 012-rest-in-coindesk                              | 0      | 10     | *    | *            | *             | ?           | *    | ✗       | ●●● | ●           | 2024-07-23 18:10:00 | <a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Run</a> |
| 015-rest-in-football-data                         | 0      | 11     | *    | *            | *             | ?           | *    | ✗       | ●●● | ●           | 2024-07-23 18:11:00 | <a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Run</a> |
| 016-rest-in-iex-upcoming-events                   | 0      | 21     | 4    | 1-3          | 4,5           | ?           | *    | ✗       | ●●● | ●           |                     | <a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Run</a> |
| 016-rest-in-iex-us-market-volume                  | 0      | 22     | *    | *            | *             | ?           | *    | ✗       | ●●● | ●           |                     | <a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Run</a> |
| 017-rest-in-quandl-tables                         | 0      | 23     | *    | *            | *             | ?           | *    | ✗       | ●●● | ●           | 2024-07-23 17:23:00 | <a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Run</a> |
| 017-rest-in-quandl-time-series                    | 0      | 24     | *    | *            | *             | ?           | *    | ✗       | ●●● | ●           | 2024-07-23 17:24:00 | <a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Run</a> |
| 040-rest-in-six-bankmaster                        | 0      | 25     | *    | *            | *             | ?           | *    | ✗       | ●●● | ●           | 2024-07-23 17:25:00 | <a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Run</a> |
| 061-rest-in-SWIFT-BI-BA                           | 0      | 26     | *    | *            | *             | ?           | *    | ✗       | ●●● | ●           | 2024-07-19 22:07:41 | <a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Run</a> |
| 061-rest-in-SWIFT-BI-BPA                          | 0      | 27     | *    | *            | *             | ?           | *    | ✗       | ●●● | ●           | 2024-07-23 17:27:00 | <a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Run</a> |
| 081-rest-in-Safepay-MGMT-Terminal-Payment-methods | 0      | 28     | *    | *            | *             | ?           | *    | ✗       | ●●● | ●           | 2024-07-23 17:28:00 | <a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Run</a> |
| 099-rest-in-autumo-ifaceX-Web-IPCs                | 0      | 29     | *    | *            | *             | ?           | *    | ✗       | ●●● | ●           | 2024-07-22 23:00:17 | <a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Run</a> |

[< previous](#) [1](#) [2](#) [next >](#) [last >>](#)

Page 1 of 2 | showing 20 record(s) out of 26 total

ifaceX Web<sup>200</sup>

Operations, Monitoring & Alarming

Processors

ACTIONS

Edit Interface Processor

Delete Interface Processor

List Interface Processors

New Interface

Interface Processor «016-rest-in-iex-upcoming-events»

Description: at 04:21 every day between 1 and 3 at April and May months

|                 |                                                   |
|-----------------|---------------------------------------------------|
| Name            | 016-rest-in-iex-upcoming-events                   |
| Path            | [fullprod]/016-rest-in-iex-upcoming-events.ifaceX |
| Mode            | Serial                                            |
| Second          | 0                                                 |
| Minute          | 21                                                |
| Hour            | 4                                                 |
| Day Of Month    | 1-3                                               |
| Month Of Year   | 4,5                                               |
| Day Of Week     | ?                                                 |
| Year            | *                                                 |
| Active?         | ✗                                                 |
| Log             |                                                   |
| Last Status     | ●                                                 |
| Last Executed   |                                                   |
| Alarm threshold | 3                                                 |
| Error counter   | 0                                                 |
| Created         | 2024-07-19 16:06:40                               |
| Modified        | 2024-07-25 13:33:06                               |

Quartz Cron Manual click here.

Execute

User: admin | © 2024 autumo GmbH

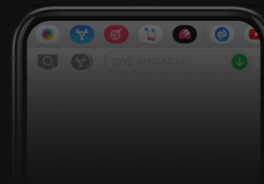
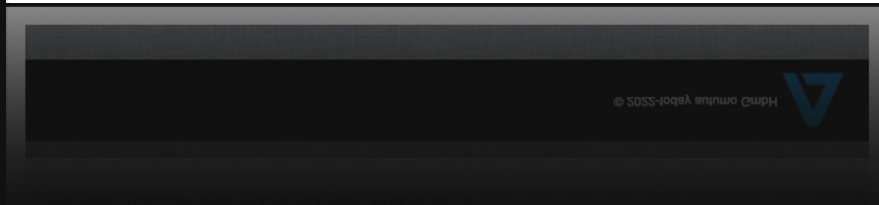
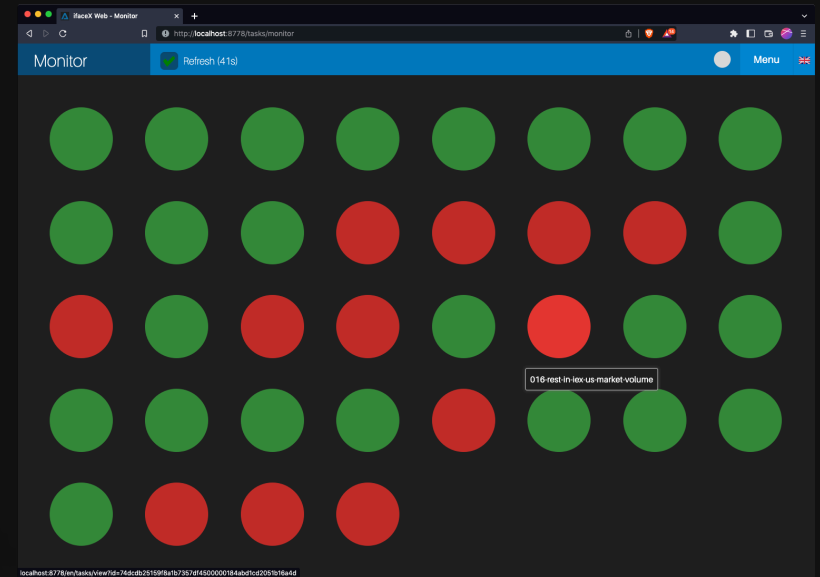
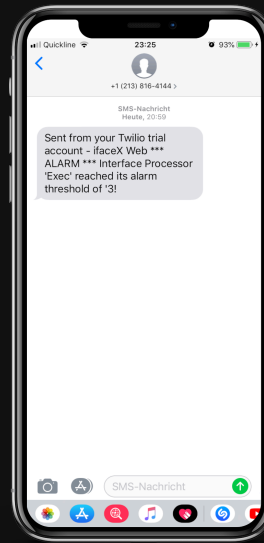
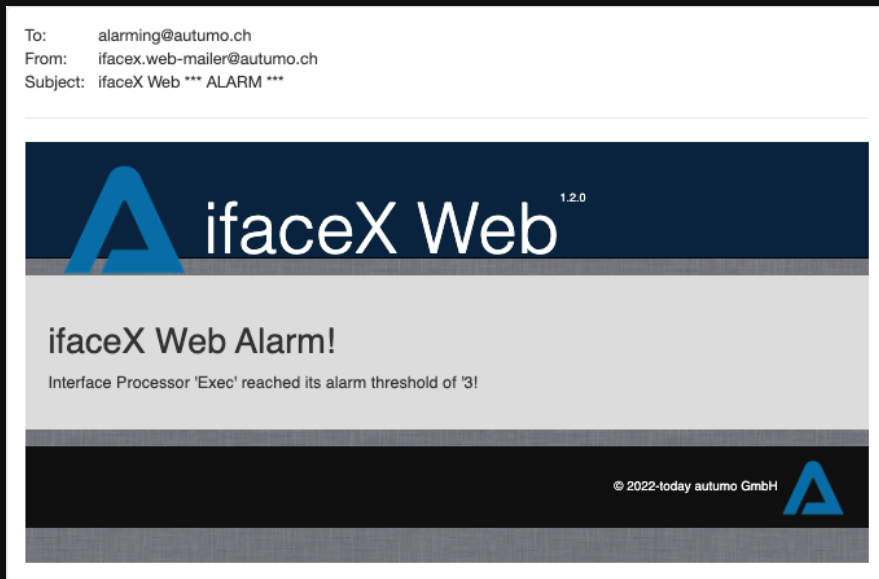
Description:

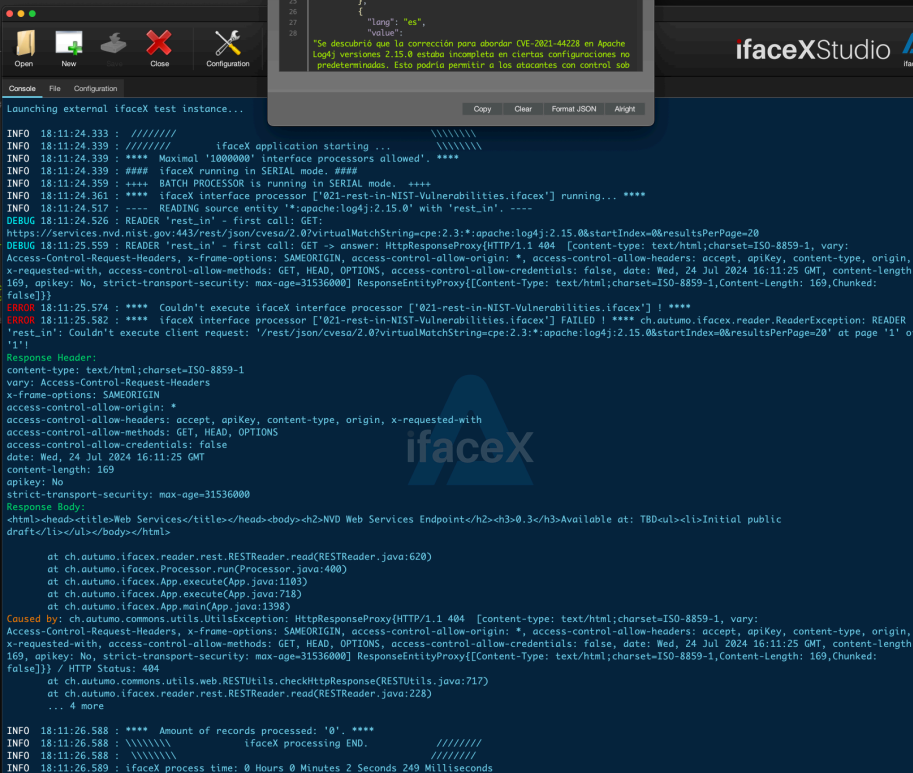
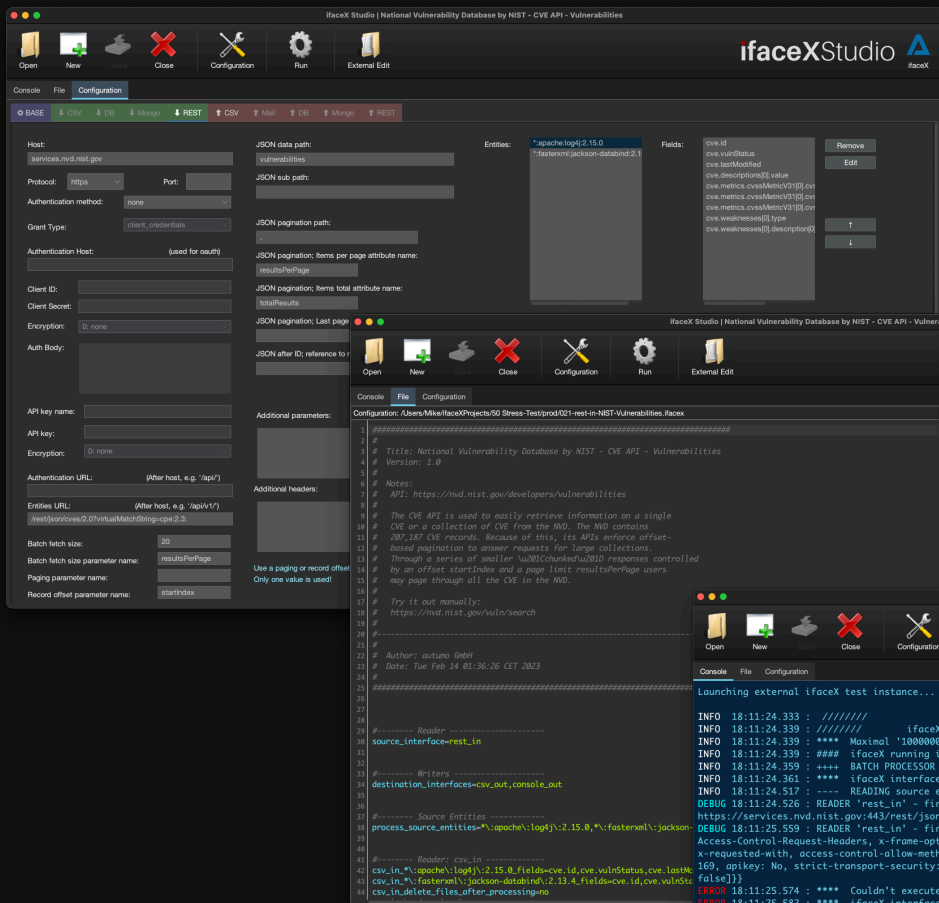
Every 10 seconds at 48 minute at 4 hour every day between 1 and 3 at April and May at 2027 and 2031.



# 🏠 ifaceX Web

- 🏠 Schedule and surveil your Interface Processors in detail with the scheduler
- 🏠 Access Interface Processor data (e.g. status) per JSON REST
- 🏠 Operation monitoring and alarming with threshold levels (Email, SMS & Phone call)
- 🏠 Available roles: Administrators, Operators & Controllers





# ifaceX Studio

Configure | Develop

your IPCs within a GUI

Configure your ifaceX

installation and test your IPCs



# ifaceX Console Tools

- Run ifaceX with your OS scheduler and console dev-tools
- Protect all sensitive data with advanced cryptographic algorithms

The image displays a collage of screenshots illustrating the setup and operation of the **ifaceX** service across different operating systems.

**Windows Service Properties (Local Computer):** The "General" tab shows the service name as **ifaceX120**, display name as **autumo ifaceX 1.2.0 Service**, and description as **autumo ifaceX 1.2.0 Server**. The path to the executable is **"C:\Users\mike\autumo-ifaceX-1.2.0\bin\svcbat.exe"**.

**Windows PowerShell (Administrator):** The following commands were executed:  
`PS C:\Users\mike\autumo-ifaceX-1.2.0\bin> .\servicemgr.bat create`  
`PS C:\Users\mike\autumo-ifaceX-1.2.0\bin> .\servicemgr.bat start`  
The output shows successful creation and configuration of the service.

**Linux Terminal (mike@mike-VirtualBox):** The terminal shows the service being started and its status. The output includes:  
`[ifaceX] Initialization...`  
`[ifaceX] Application User : mike`  
`[ifaceX] Java Virtual Machine : 17.0.6 - Azul Systems`  
`[ifaceX] Max. Memory (MB) : 1988`  
`[ifaceX] Total Memory (MB) : 128`  
`[ifaceX] Free Memory (MB) : 105`

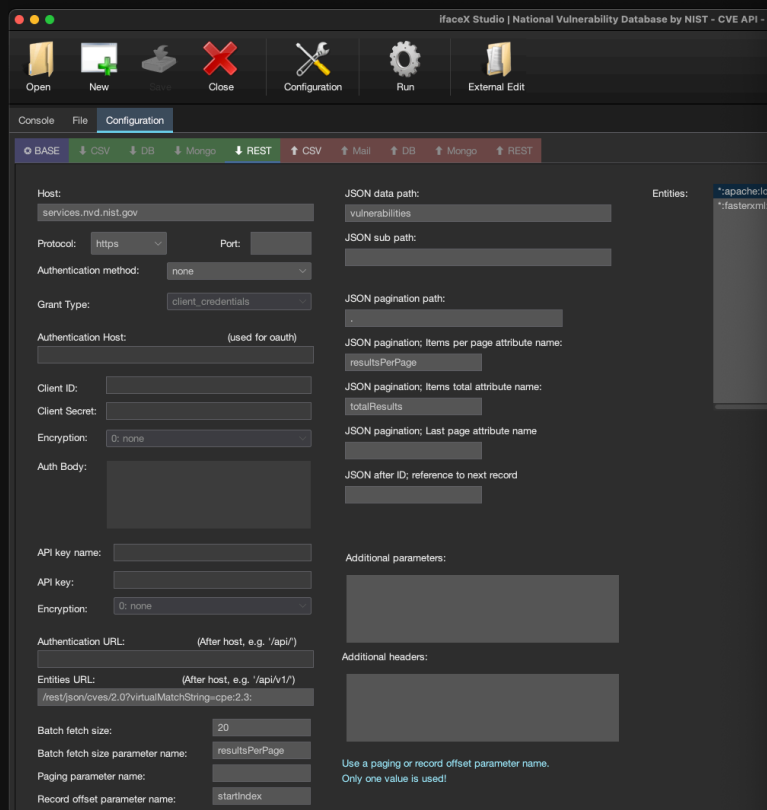
**macOS Terminal (Mikes-iMac):** The terminal shows the service being started and its status. The output includes:  
`Mikes-iMac:bin Mike$ ./encoder.sh -e 1 "ifacex"`  
`autumo ifaceX Password/Key Encoder Result:`  
`1:8sSEA7/McQdpDQTabl0m3A==`  
`Note: Embrace the result with curly brackets in the configuration file, e.g.:`  
`my_password={1:8sSEA7/McQdpDQTabl0m3A==}`  
`Mikes-iMac:bin Mike$ ./server.sh health`  
`[ifaceX] Server is running and healthy!`  
`[ifaceX] * Admin-Interface (Port: 8777): Started`  
`[ifaceX] * Web-Server (Port: 8778): Started`  
`[ifaceX] * Scheduler: Started`  
`Mikes-iMac:bin Mike$ ./server.sh stop`  
`[ifaceX] [STOP] signal received! Shutting down...`  
`[ifaceX] Stopping scheduler and waiting for jobs to complete...`  
`[ifaceX] Scheduler stopped.`  
`[ifaceX] Stopping internal web server...`  
`[ifaceX] Internal web server stopped.`  
`[ifaceX] Server stopped.`



# ifaceX Templates

-  Provides lots of Interface Processor Configuration (IPC) templates to connect to many well-known cloud services per REST API out-of-the-box, e.g., PayPal, IEX Cloud, SWIFT, Hubspot, Spotify, etc. (continuously supplemented)

▲ 001-rest-in-hubspot-products.ifacex  
▲ 002-rest-in-hubspot-companies.ifacex  
▲ 002-rest-in-hubspot-contacts.ifacex  
▲ 002-rest-in-hubspot-v3-companies.ifacex  
▲ 002-rest-in-hubspot-v3-contacts.ifacex  
▲ 003-rest-in-paypal-tx.ifacex  
▲ 004-rest-in-thomson-reuters.ifacex  
▲ 008-rest-in-stripe.ifacex  
▲ 009-rest-in-spotify.ifacex  
▲ 012-rest-in-coindesk.ifacex  
▲ 015-rest-in-football-data.ifacex  
▲ 016-rest-in-iex-ceo-compensation.ifacex  
▲ 016-rest-in-iex-collections.ifacex  
▲ 016-rest-in-iex-cryptocurrency.ifacex  
▲ 016-rest-in-iex-ipo-calendar.ifacex  
▲ 016-rest-in-iex-list.ifacex  
▲ 016-rest-in-iex-news.ifacex  
▲ 016-rest-in-iex-rates.ifacex  
▲ 016-rest-in-iex-sector-performance.ifacex  
▲ 016-rest-in-iex-time-series.ifacex  
▲ 016-rest-in-iex-upcoming-events.ifacex  
▲ 016-rest-in-iex-us-market-volume.ifacex  
▲ 017-rest-in-quandl-tables.ifacex  
▲ 017-rest-in-quandl-time-series.ifacex  
▲ 040-rest-in-six-bankmaster.ifacex  
▲ 061-rest-in-SWIFT-BI-BA.ifacex  
▲ 061-rest-in-SWIFT-BI-BPA.ifacex  
▲ 081-rest-in-Saferpay-MGMT-Terminal-Payment-methods.ifacex  
▲ 099-null-in-autumo-ifaceX-Exec.ifacex  
▲ 099-rest-in-autumo-ifaceX-IPCs.ifacex  
▲ 099-rest-in-autumo-ifaceX-Web-IPCs.ifacex



ifaceX Studio | National Vulnerability Database by NIST - CVE API

Open New Save Close Configuration Run External Edit

Console File Configuration

BASE CSV DB Mongo REST CSV Mail DB Mongo REST

Host: services.nvd.nist.gov  
Protocol: https Port:   
Authentication method: none  
Grant Type: client\_credentials  
Authentication Host: (used for oauth)  
Client ID:   
Client Secret:   
Encryption: 0: none  
Auth Body:   
API key name:   
API key:   
Encryption: 0: none  
Authentication URL: (After host, e.g. /api/)  
Entities URL: (After host, e.g. /api/v1/)  
Batch fetch size: 20  
Batch fetch size parameter name: resultsPerPage  
Paging parameter name:   
Record offset parameter name: startIndex

JSON data path: vulnerabilities  
JSON sub path:   
JSON pagination path:   
JSON pagination; Items per page attribute name: resultsPerPage  
JSON pagination; Items total attribute name: totalResults  
JSON pagination; Last page attribute name:   
JSON after ID; reference to next record:   
Additional parameters:   
Additional headers:   
Use a paging or record offset parameter name. Only one value is used!

Entities: \*apache:lo \*fastenmi:



JSON Formatter

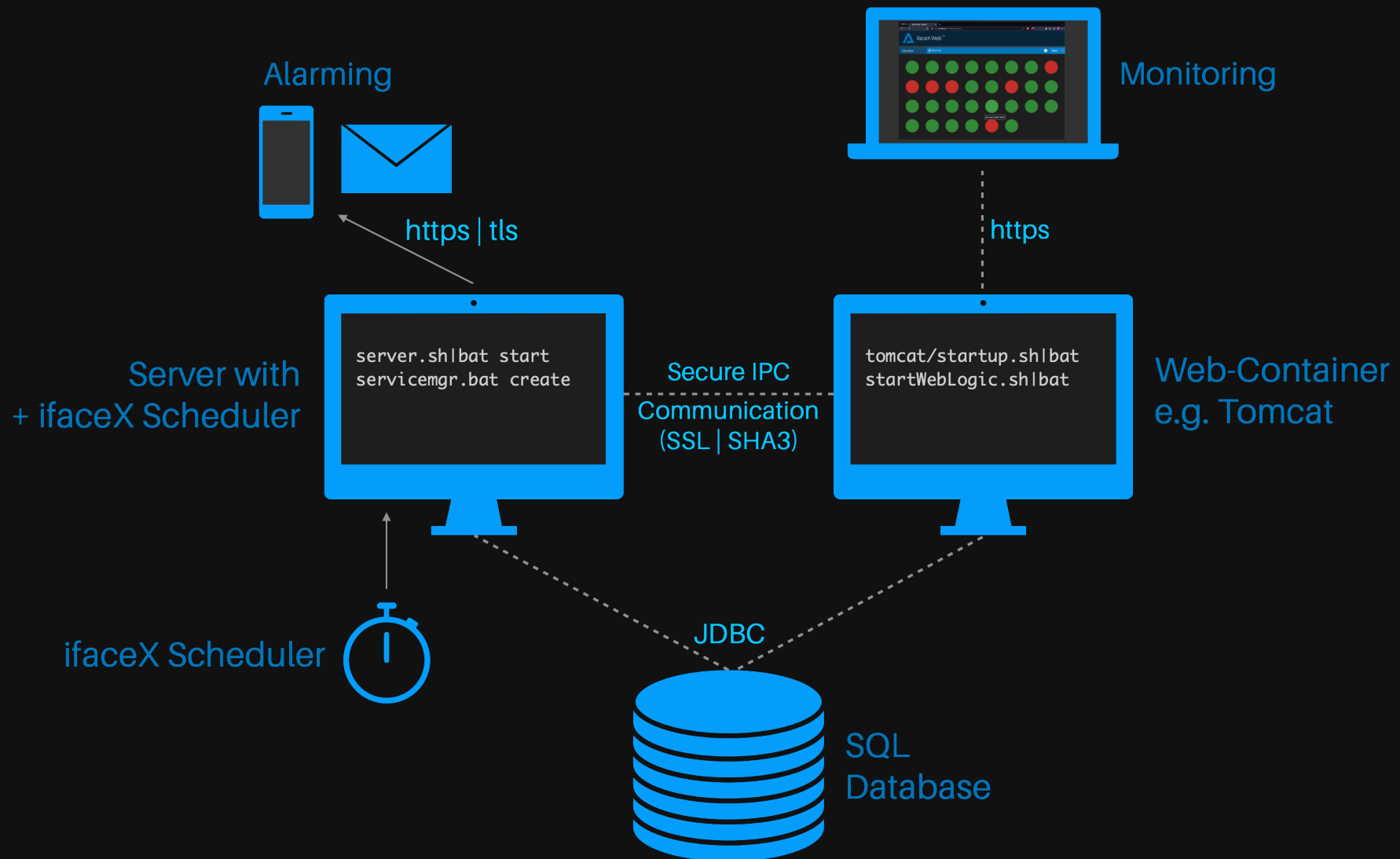
```
1 {
2   "tasks": [
3     {
4       "id": "36",
5       "name": "All Interfaces",
6       "active": "0",
7       "laststatus": "0",
8       "lastexecuted": "2022-11-23 18:20:36.0"
9     },
10    {
11      "id": "35",
12      "name": "Exec",
13      "active": "0",
14      "laststatus": "0",
15      "lastexecuted": "2022-11-23 18:20:36.0"
16    },
17    {
18      "id": "34",
19      "name": "reverb2consoleAndMail",
20      "active": "0",
21      "laststatus": "0",
22      "lastexecuted": "2022-11-23 18:20:37.0"
23    },
24    {
25      "id": "33",
26      "name": "reverb2consoleAndCSV",
27      "active": "0",
28      "laststatus": "1",
29      "lastexecuted": "2022-11-23 18:20:37.0"
30    },
31    {
32      "id": "32",
33      "name": "mongo_out",
34      "active": "0",
35      "laststatus": "1",
36      "lastexecuted": "2022-11-23 18:20:37.0"
37    },
38    {
39      "id": "31",
40      "name": "mongo_in",
41      "active": "0",
42      "laststatus": "1",
43      "lastexecuted": "2022-11-23 18:20:37.0"
44    }
45  ]
46 }
```

Clear Format JSON Alright



# 🦋 ifaceX Distributed Deployment

- 🦋 ifaceX Server: Runs the ifaceX Scheduler, executes the alarming
- 🦋 Web-Container: Runs ifaceX Web, sends Emails for password resets, uses web-container resources



# ifaceX Licenses

-  Basic Edition with 1 Interface Processor
-  Advanced Edition with 5 Interface Processors
-  Professional Edition with 10 Interface Processors
-  Enterprise Edition with unlimited Interface Processors; major release updates, with a „Developer Reference“ and more

ifaceX Team

Your ifaceX license

An: Neon Hawkes,

Antwort an: ifaceX Team

19:18

IT



## Your ifaceX License.

Here is your ifaceX 1.2.0 registration information and license key:

First name:  
Neon

Last name:  
Hawkes

Company:  
autumo GmbH

City:  
Derendingen

Country:  
Switzerland

Email / Username:  
[neon.hawkes@autumo.ch](mailto:neon.hawkes@autumo.ch)

License Key:  
5  
C  
4

Notes: Please use the 'SET PASSWORD' link below within 24 hours to set your password! After you have set your password, log in with the email address specified in this license. After logged into the client-area ("My Products"), download your copy of autumo ifaceX in the download section. Furthermore, register your ifaceX instance with your received license; see autumo ifaceX manual or INSTALL.txt within the downloaded package. The client-area also provides further documentation and possible new addons for your product. If you miss to set your password with 24 hours, use the 'PASSWORD RESET' link below.

[SET PASSWORD](#)

[PASSWORD RESET](#)

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## ❖ Further Features

- ❖ Connects with **Clouds** seamlessly
- ❖ Can be used as a **Big Data** mapping & transforming platform too
- ❖ Security Features: SSL | TLS | **Argon2** | **SHA-3** | HTTPS | **CSRF** | 2FA | **OAuth 2.0** | Digest | API-Keys
- ❖ High **Scalability**: Hosts, OS, Interface Processors, Batches of Data
- ❖ **Alarming** with error thresholds: Email, Phone Call or **SMS** to the on-call team
- ❖ **Traffic** Light **Monitoring** and **Reporting**
- ❖ Execute any **program** and monitor it with ifaceX
- ❖ Write your own interface processors or execute your **code** with ifaceX
- ❖ Deploys on **any OS** platform, runs everywhere including multiple deployment scenarios
- ❖ Runs „as is“ and can be **customized** in detail in most versatile ways
- ❖ Extended Setups: **Logical Instances** & **Atomic Processing** chains
- ❖ Extensive manuals, a **Quickstart** guide, additional **Readers/Writers** and many more downloads within a protected **Customer Area**
- ❖ ifaceX Web can be deployed within web containers such as Apache **Tomcat** or Oracle **WebLogic** (prebuilt packages) or even runs **independently** in the ifaceX **Server** (stand-alone deployment) without the need for an additional web container
- ❖ **Trial** version available!



# autumo ifaceX 2.0.0

Leveraging 20 Years of Experience in IT Service Environments, IfaceX Delivers Enterprise Solutions with High Data Throughput, Enhanced Security, and Robust Operational Performance.

Go try it : [products.autumo.ch](https://products.autumo.ch)

