



API400

<http://api400.com>

ABOUT TEKMONKS

- ▶ TekMonks is a full service, fast growing, and highly skilled technology firm.
- ▶ Headquartered in Chicago, US, we are a Global Technology firm – with offices across 6 countries, and 3 continents.
- ▶ Major Fortune 500 Clients – Other than big clients like AIG in insurance we also manage the IT for one of world's largest airport , we implement Hospital Workflow solutions for one of World's largest hospital.
- ▶ Deep Partnership Network – IBM, AWS, Azure, etc.
- ▶ Multiple verticals
 - ▶ IT Implementation Services
 - ▶ Software Products API400, LoginCat etc.

VISION STATEMENT

To be a reputable Global Corporation providing quality solutions for business issues using technology and highly skilled people.

TEKMONKS OPERATES FROM 7 COUNTRIES, 10 MAJOR CITIES



DIGITAL DISRUPTION

Uber, the world's largest taxi company, owns no vehicles. Facebook, the world's most popular media owner, creates no content. Alibaba, the most valuable sales broker, has no inventory. And Airbnb, the world's largest accommodation provider, owns no real estate. This is an interesting new trend that emerged.

- ▶ In 2016 – Digital businesses are seen as a real disruptive threat, and many major companies are ramping up to either compete or start their own Digital Offerings.
- ▶ In 2019 and beyond, it's either find your own digital edge or your business can fade away.

TEKMONKS AND IBM COLLABORATION – API400

So how do we easily transition into a digital business - with real time pricing, inventories, risk metrics, etc.?

The Core Issue

- ▶ Many core systems are running on AS/400, for example the LIFE/400 system for insurance companies.
- ▶ The largest risk factor in Legacy Modernization is dealing with embedded rules within the Legacy, COBOL based business system.
- ▶ Reverse engineering all the existing business rules, coded within the existing DB400 and COBOL modules is not easy and one of the prime risk factors

API400

Solution

- ▶ But - What if we could directly expose the existing rules, data and modules as modern APIs?
 - ▶ At native speed – and native level scalability.
 - ▶ With native AS/400 or Mainframe technology.
 - ▶ Made and integrated with COBOL/batch based systems.
 - ▶ Which was IBM approved?
-
- ▶ If we could do this then we can definitely move our existing systems to compete in the API based, real-time Digital marketplace. With Low Risk!
 - ▶ API/400 provides a single common gateway for REST based API calls to reach AS/400 business assets and data on the AS/400
 - ▶ TekMonks' API/400 product allows creating API based services quickly. Capability is provided to directly expose as APIs, Mobile, Desktop and Web Applications
 - ▶ RPG, COBOL, CL Programs
 - ▶ DB/400 data
 - ▶ Physical Files
 - ▶ Data Files
 - ▶ Data Queues
 - ▶ Not screen scrapping – Very High Performance Native technology that scales and evolves

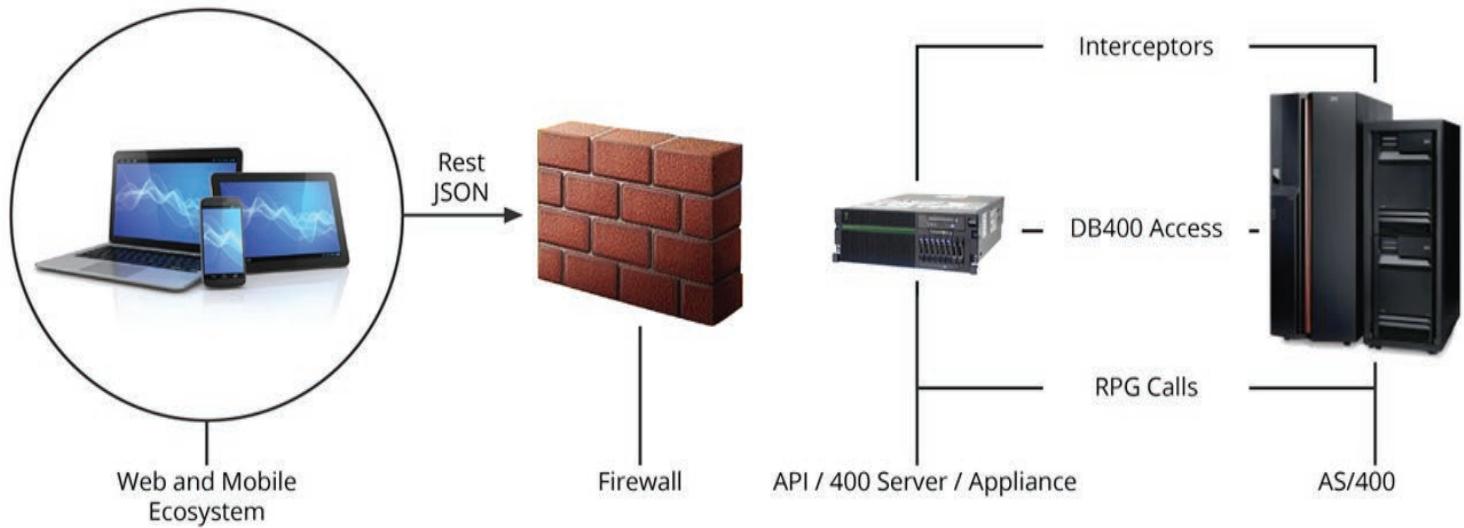
MADE FOR THE INTERNET - SAFELY INTEGRATE AS/400

- ▶ Integrated security to ensure data is not compromised
 - ▶ Supports
 - ▶ API keys
 - ▶ Transport level security (https)
 - ▶ Authentication
- ▶ API caching, ensures the core AS/400 doesn't get overloaded
 - ▶ Always
 - ▶ Read only on write
 - ▶ Never

PROVEN PERFORMANCE

- ▶ Performance report available on demand
- ▶ Proven performance at large fortune 100 companies
- ▶ Ability to support up to 1000 concurrent users when caching is enabled
- ▶ Allows safely exposing core AS/400 logic to mobile and web applications

AS/400 CLIENTS FACE API ECONOMY CHALLENGES



- ▶ Most AS/400 applications are written in COBOL/RPG – where best resources have retired.
- ▶ Many AS/400 Clients forced to re-write applications or use inferior tools to leverage mobile, web, cloud ecosystems.
- ▶ Others purchase new databases and technologies. Headaches of migrating to Microsoft SQL/BizTalk or .Net or Java.
- ▶ This prevents the AS/400 from unleashing its full capabilities in the API Economy.

LIVE SYSTEM - API400 - FROM THIS ...

```
Work with Active Jobs                               JOANNE
                                                    04/07/16 02:45:40
CPU %:     .0    Elapsed time: 00:00:00    Active jobs: 279

Type options, press Enter.
 2=Change   3=Hold   4=End   5=Work with   6=Release   7=Display message
 8=Work with spooled files 13=Disconnect ...
                                         Current
Opt Subsystem/Job  User      Type  CPU % Function          Status
-- EFWD           QSYS      SBS   .0
-- EFWDSTART      QSYSOPR   ASJ   .0  CMD-EFWDSTART    DEQW
-- QBATCH         QSYS      SBS   .0
-- CHKHTPSVR     JOANNE    BCH   .0  DLY-300        DLYW
-- XA_UPDATE       FRESCHE   BCH   .0  PGM-XA_UPDATE   RUN
-- QCMN           QSYS      SBS   .0
-- QCTL            QSYS      SBS   .0
-- QSYSSCD        QPGMR    BCH   .0  PGM-QEZSCNEP   EVTW
-- QFAXSBS        QSYS      SBS   .0
                                         More...
Parameters or command
===>
F3=Exit   F5=Refresh   F7=Find      F10=Restart statistics
F11=Display elapsed data F12=Cancel   F23=More options   F24=More keys
MA A                                              10/002
```

TO THIS!



API400 – OPEN ECOSYSTEM

Richest set of transformations and integrations of any AS/400 system

- ▶ Call any REST or Web Services APIs and integrate and transform their results with the AS/400 data
- ▶ Transform from any data model to JSON to Cobol Copybook to XML and back
- ▶ Integrate with external systems, databases via full Node.js module support
- ▶ Integrate external systems and logic with AS/400 Business Data and Programs
- ▶ Full support for JSONata for transformations and querying
- ▶ Single line easy conversions to Cobol Copybooks via native MAP commands
- ▶ Optional API Service Bus (ASB) Module Available for Enterprise Integration Flows for millions of systems

TEKMONKS AND IBM COLLABORATION – API400

| API400 | | Vs. | SCREEN SCRAPING |
|--|--|-----|---|
| API/400 integrates deeply and natively with AS/400 | | | Starts a new user session per each call. |
| Calls DB400, RPG, Cobol Programs as needed - using AS/400 as a server - which means improved performance over Screen Scraping. | | | If you have 10,000 connected users - that means 10,000 sessions for a screen scraper - this leads performance issues. |
| Everything is then exposed as a REST API. Other applications and clients, including mobile apps can then call on the AS/400 | | | No access to REST API |
| Exposes functionality that may not even exist in a screen, provide an API, and use AS/400 as a server. | | | Performance limited to what is available on screen. |

IBM CERTIFIED AND APPROVED FOR POWER I



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API400 API400 for Power i

Solution overview

Solution details

ID# : 53680

Solution name : [API400 API400 for Power i](#)

Solution description : API400 allows core data and business process on the AS/400 to participate in the API Economy. It eliminates the need for RPG and/or COBOL code modifications, and requires no custom coding. API400 allows API's to be created and managed directly on the AS/400. It is available on the cloud or via an appliance model.

Solution web page : <http://tekmonks.com/beta/beta/brochure/API400.html>

PROVEN PERFORMANCE

- ▶ Licensed per IBM i Server – reasonable, and simple licensing model
- ▶ Initial configuration, training and setup, thus enabling an immediate platform to develop API's
- ▶ Documentation, 24x7 Technical Support
- ▶ Offered as Appliance or via Cloud
- ▶ Create APIs, and Apps in hours from existing AS/400 PGMs or Logic
- ▶ **Implementation Services:** Full turn key implementation services support via our service partners.

SUMMARY – LET'S TALK

- ▶ The digital threat is very real and moving to online digital systems is a priority for most companies.
 - ▶ API/400 is one of the keys to unlocking the existing capacities, technology and data within your AS/400.
 - ▶ Deep integration – not screen-scraping - Native performance – very low risk.
 - ▶ API400 enables existing companies to not just adapt but compete and exploit the Digital operating landscape.
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GET STARTED NOW
Request a demo!

sales@tekmonks.com

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TekMonks Ltd.

Kemp House, 152 City Road
London. EC1V 2NX.
UK.

