INGKA™

Service virtualization
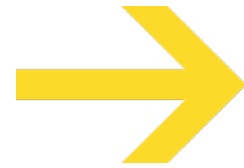
500x speed increase

for a Greenfield S/4HANA project

Philipp Scherf, Enterprise Architect at INGKA
Michal Krawczyk, SAP Integration Architect at Int4

Creating a new IKEA

in three years

IKEA RETAIL DIRECTION
INGKA HOLDING B.V.

→

Business Operations
Transformation -
Finance & Procurement

Business Operations Transformation (BOT)

...is about creating the right pre-conditions for our future. Business operations in finance and procurement take place in all parts of our business and are crucial to steer and operate our business, including customer and business transactions, financial information and money flows.

- Retail landscape has transformed at a scale and pace we've never seen before..

- Customer behaviors are changing rapidly

- 2000 applications and they are operated in a Spaghetti landscape

Business Operations Transformation

❗ Identified risk

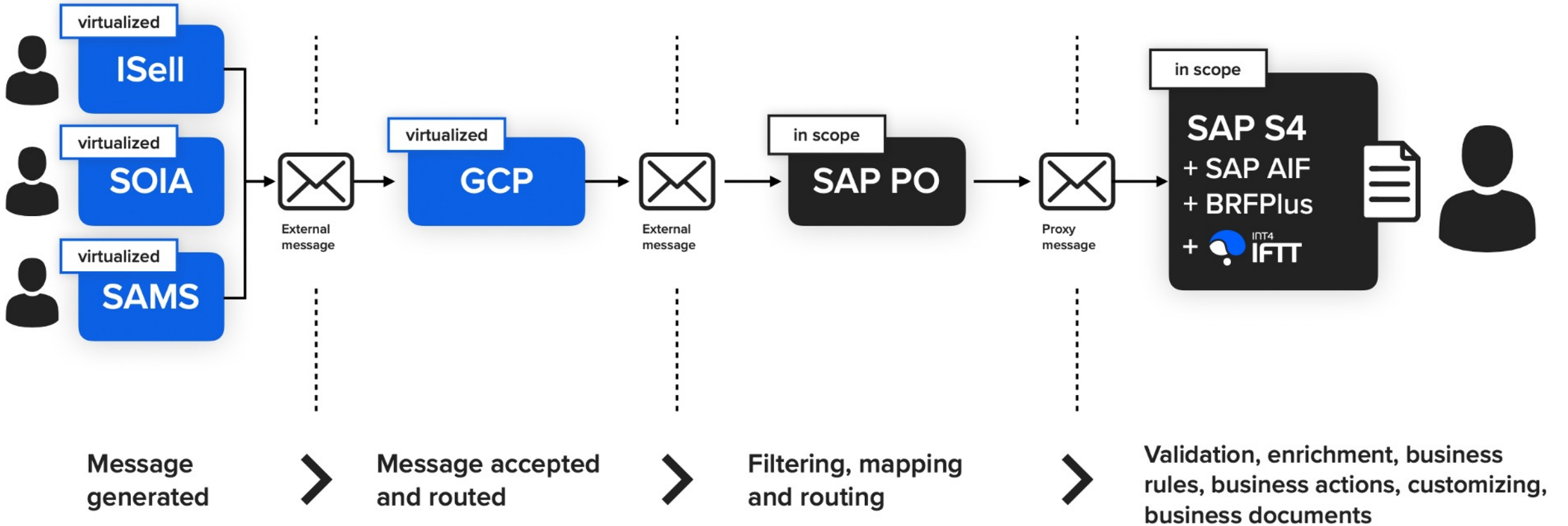**Dependency on source systems**

- Works in each source system have their own pace, own sprints and **own priorities**,

- Development and test resources of source systems **need to be available**,

- Testing **without source systems** is impossible/difficult

- Limited testing can **cause project delays** and lower test quality/coverage

29
hours

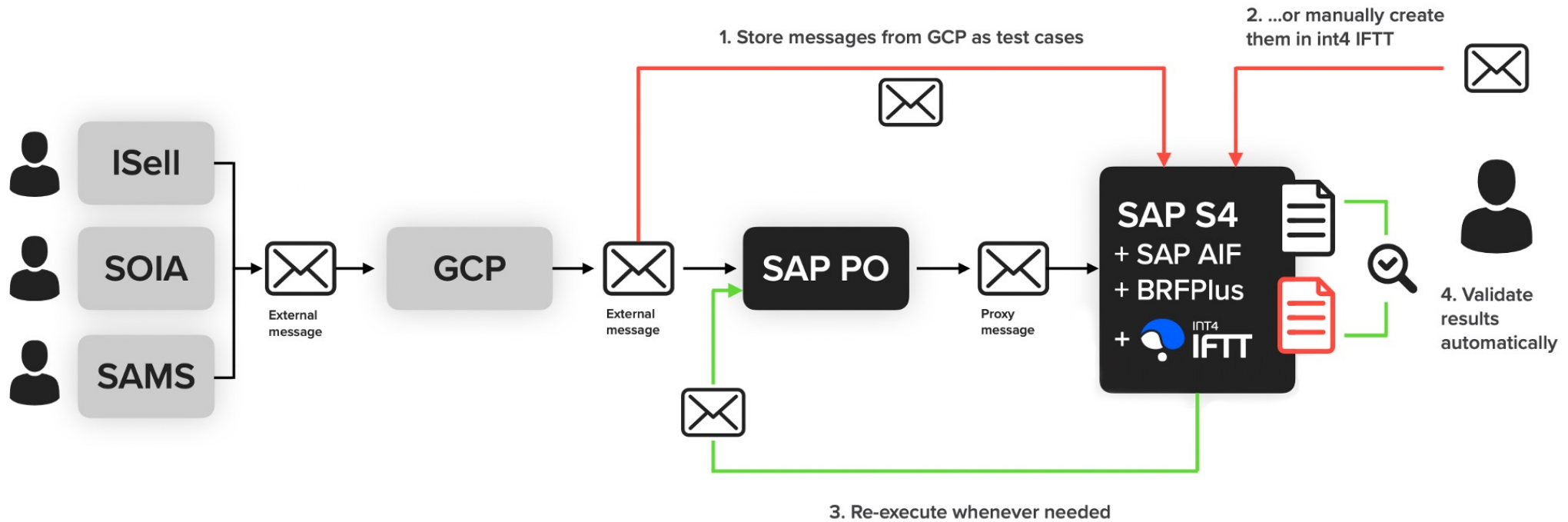**to test a complete flow**
(multiple teams, functional, technical)

Int4 IFTT Testing Scope

Int4 IFTT Testing Process

1. Store messages from GCP as test cases

2. ...or manually create them in int4 IFTT

ISell
SOIA
SAMS

External message

GCP

External message

SAP PO

Proxy message

SAP S4
+ SAP AIF
+ BRFPlus
+ int4 IFTT

4. Validate results automatically

3. Re-execute whenever needed

Result:
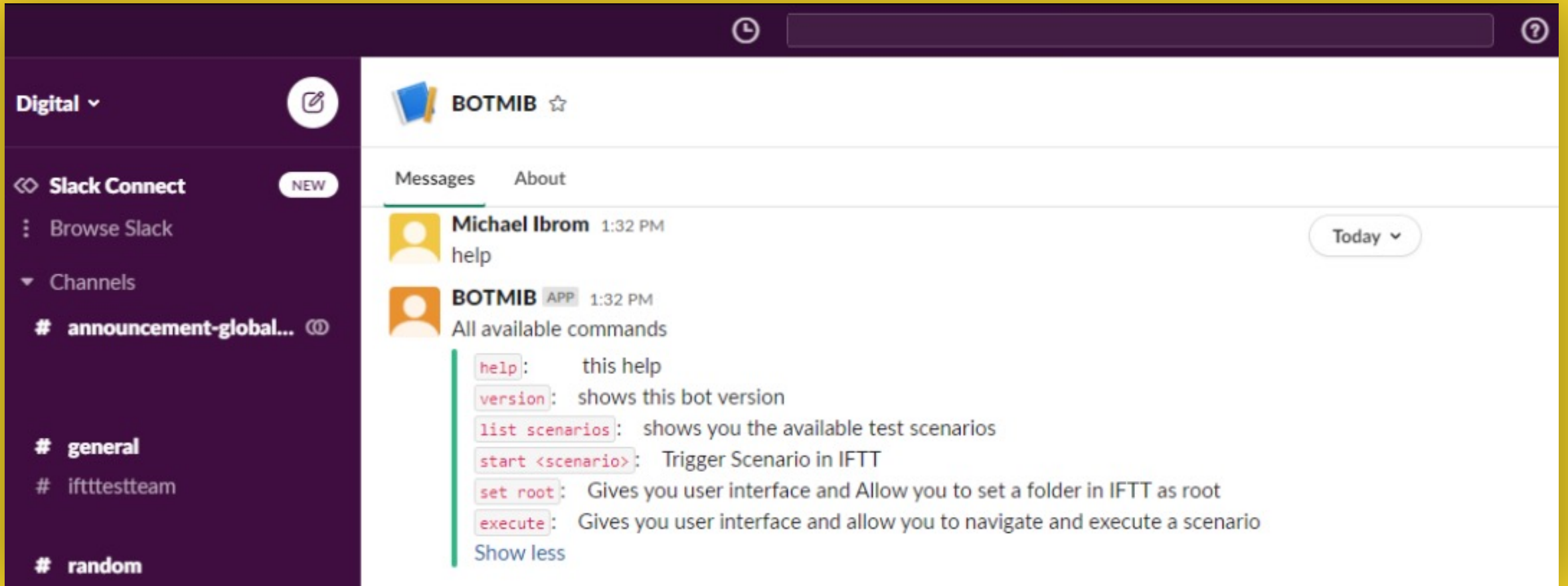
>580x

speed increase to test a complete process

From **29** hours

To **4** minutes

Self Service testing

enable everyone to secure the S/4HANA project