Implementing BIAN With Headless Architecture

Zeev Avidan
Chief Product Officer
What kind of impact do disruptions caused by COVID-19 have on your organization’s digital business initiatives?

- 39% Transform Business Model
- 48% Increase Investment
- 50% Cost Optimization
- 60% Operational Excellence
- 69% Acceleration

Source: Gartner View from the Board of Directors 2021:002. What kind of impact do disruptions caused by COVID-19 have on your organization’s digital business initiatives? N=260, All Respondents, Excluding Don’t know, Multiple responses allowed. © 2020 Gartner, Inc. and/or its affiliates. All rights reserved.
By 2023, organizations that have adopted an intelligent composable approach will outpace their competition by 80%.

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Gartner

Gartner's Reference Model to Deliver Intelligent Composable Business Applications, Oct 14, 2020
Monolith Vs Microservice VS Headless Database Application Front-End Microservices
Monolith Vs Microservice VS Headless

Monolithic
- Front-end
- Application
- Database

Headless
- Front-End
  - API
  - API
  - API
- Application
- Database

Microservices
- Front-End
- API
- microservice
- Database
- API
- microservice
- Database
- API
- microservice
- Database
## OpenLegacy Hub

### Digital Services
- **Generate**: Rapidly generate digital services
- **Extend**: Enrich legacy functionality, refactor workflows
- **Manage**: Maintain and streamline legacy assets
- **Untangle**: Consume and test core data and legacy assets continuously

### Flexible deployment across environments

<table>
<thead>
<tr>
<th>Digital Services</th>
<th>Mainframe/Midrange Systems</th>
<th>Data</th>
<th>Applications</th>
<th>Protocols</th>
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<tr>
<td><strong>OpenLegacy Hub</strong></td>
<td><strong>Core Data</strong></td>
<td><strong>Microservice-based cloud platforms</strong></td>
<td><strong>Serverless Functions</strong></td>
<td><strong>On-prem</strong></td>
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<td>Digital account opening</td>
<td>Instant payments &amp; transfers</td>
<td>Open banking initiatives</td>
<td>Real-time quotes</td>
<td>Compliance &amp; regulation</td>
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<td>Flexible deployment across environments</td>
<td>Amazon Web Services (AWS)</td>
<td>Google</td>
<td>Microsoft Azure</td>
<td>Alibaba Cloud</td>
</tr>
</tbody>
</table>

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**Digital to the core**

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**PROTOCOLS**

**MAINFRAME/MIDRANGE SYSTEMS**

**DATA**

**APPLICATIONS**

**PROTocols**
Accelerating The Full API Lifecycle

Day 1
- Design
- Build
- Test
- Develop
- Modify
- Gov
- Secure
- Network
- QC
- Deploy
Day 180+

Traditional API Creation
Design to Deployment
(Actual Client Data)

<table>
<thead>
<tr>
<th>Process</th>
<th>Hours</th>
<th>Reduction</th>
</tr>
</thead>
<tbody>
<tr>
<td>END TO END BUILD TOTAL LABOR HOURS</td>
<td>2878.5 hours</td>
<td>198.5 hours -93%</td>
</tr>
<tr>
<td>DESIGN</td>
<td>576.5</td>
<td>152.5 -73%</td>
</tr>
<tr>
<td>BUILD</td>
<td>1296</td>
<td>2 -99%</td>
</tr>
<tr>
<td>TEST</td>
<td>632</td>
<td>16 -97%</td>
</tr>
<tr>
<td>DEPLOY</td>
<td>374</td>
<td>28 -92%</td>
</tr>
<tr>
<td>COST</td>
<td>$179,906</td>
<td>$12,406 -93%</td>
</tr>
<tr>
<td>TIME-TO MARKET</td>
<td>7.6 Months</td>
<td>1.2 Months -84%</td>
</tr>
</tbody>
</table>

OpenLegacy API Creation
Design to Deployment
(Actual Results)

7 (Actual Results)