



2017
Global Azure
BOOTCAMP

AZURE AND EDI USING LOGIC APPS

PHIDIAX 

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Managed Gold Partner – System Integrator

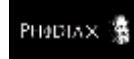
Introduction



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- Jeff Wessling
 - ▣ Integration and Cloud Architect
 - JeffWessling@Phidix.com
 - ▣ Professional Experience
 - 15 Years in IT
 - Microsoft stack
 - .NET
 - BizTalk Server
 - SQL Server

The next 30-40 minutes



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- Agenda
 - ▣ Azure and EDI. Why?
 - ▣ What is EDI?
 - ▣ Logic Apps and Integration Accounts
 - ▣ Demo
 - ▣ Questions

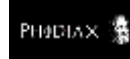
Azure and EDI – Why?



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- Combination of new and old
 - ▣ New – Microsoft Azure Cloud Platform
 - ▣ Old – Electronic Data Interchange

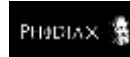
What is EDI?



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- Messaging Standards for Business Interactivity
- Common Formats
 - ▣ X12
 - ▣ UN/EDIFACTS
 - ▣ EANCOMS

What is EDI?



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- History
 - ▣ 1948 – Need recognized during Berlin Airlift
 - ▣ 1960s – Early versions of EDI are developed
 - ▣ 1978 – ANSI establishes the X12 committee
 - ▣ 1981 – First ANSI/X12 Standards are published
 - ▣ 1991 – Over 12,000 businesses use EDI
 - ▣ 1996 – HIPAA mandates X12 for health insurance
 - ▣ Today – Over 90% of Fortune 500 companies use EDI

X12 EDI

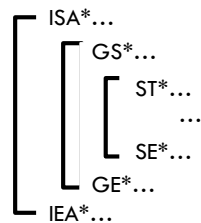


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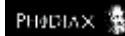
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ST*270*0281~
BHT*0022*13*0001**1102~
HL*1**20*1~
NM1*PR*2*YAVIN BLUE CROSS*****PI*BCBSF~
HL*2*1*21*1~
NM1*1P*1*Endor Health Center*****XX*9876543210~
HL*3*2*22*1~
TRN*1*1000001*9876543210~
NM1*IL*1*SKYWALKER*LUKE*****MI*KJHH12345678~
DMG*DE*19500525~
DTP*291*RDE*19830525~
EQ*30~
SR*13*0281~
OR*1*281~
IEA*1*000000281~

```



X12 EDI – Header Segments



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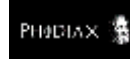
ISA*00*          *00*          ZZ*PHIDIAX          ZZ*HIPAASPACE          *170421*0545*U*00501*000000281*0*T*~

GS*HS*PHIDIAXLA*HIPAAASPACE*20170421*0545*281*T*00401~

ST*270*0281~

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X12 EDI - Guides



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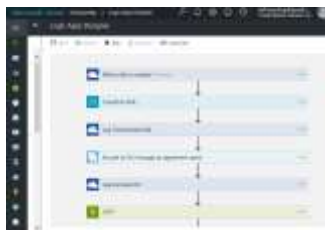
- Implementation and Consolidated Guides
 - ▣ Available from X12 Committee and WPC
- “Companion” Guides available from individual companies detailing how they use transactions

Azure

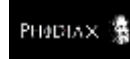


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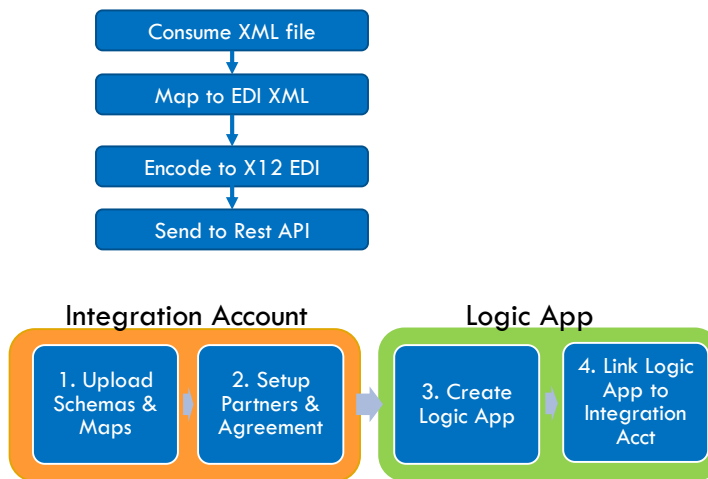
- Logic Apps
 - Workflow processing container
- Integration Account
 - Partners
 - Trade Agreements
 - Schemas
 - Maps
 - Certificates



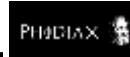
Azure – Scenario and Setup



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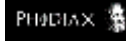
Integration Account - Schemas/Maps



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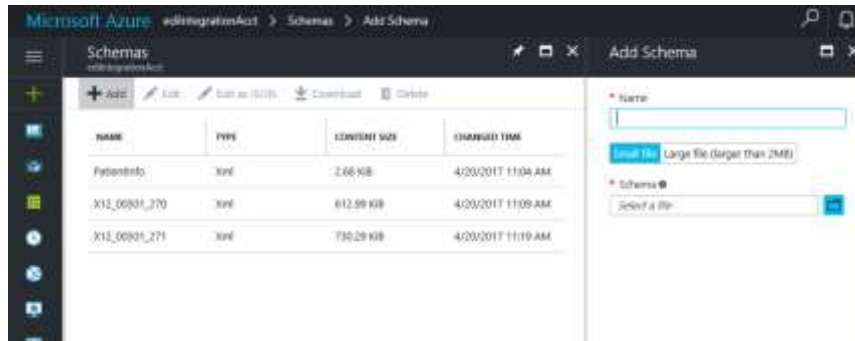
- **Enterprise Integration Pack**
<https://www.microsoft.com/en-us/download/details.aspx?id=53016>
- **Microsoft Azure BizTalk Services SDK**
<https://www.microsoft.com/en-us/download/details.aspx?id=39087>.

Integration Account - Schemas

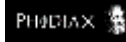


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□ Upload Schemas to Integration Account

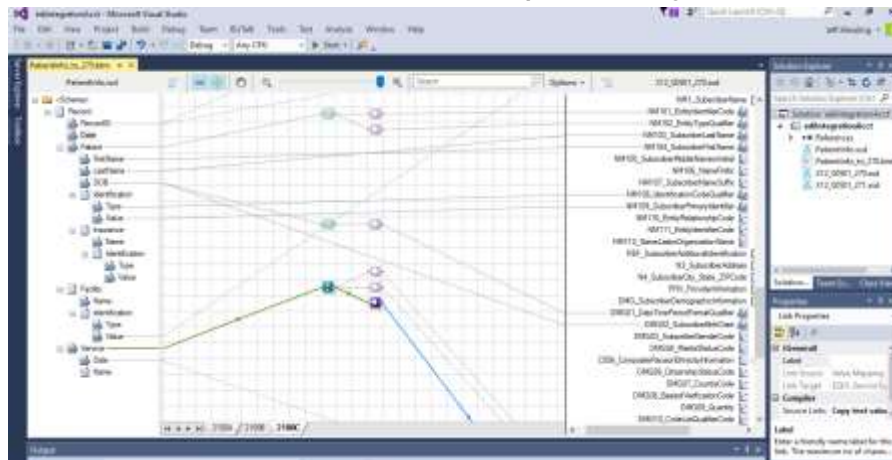


Integration Account - Maps



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□ Visual Studio 2015 with Enterprise Integration Pack

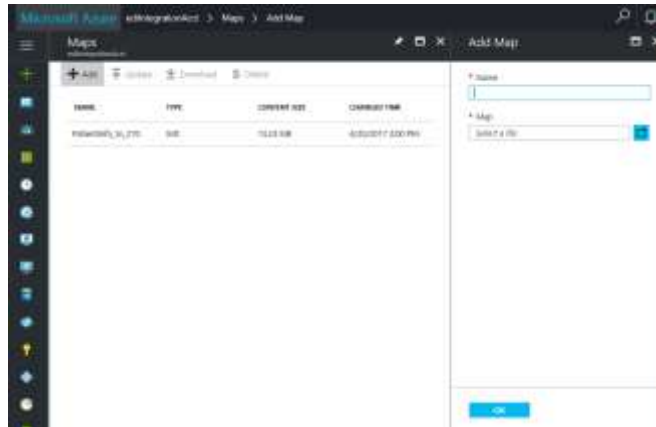


Integration Account - Maps



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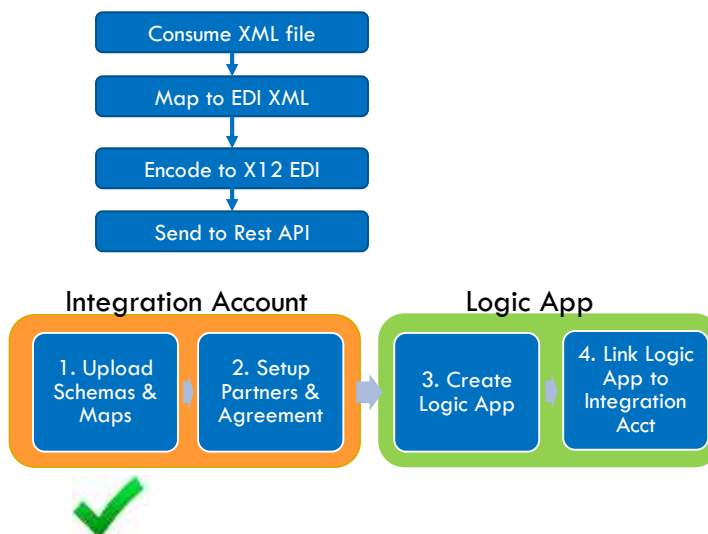
- Upload Map to Integration Account



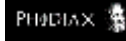
Azure – Scenario and Setup



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Integration Account - Partners



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Phidiarx



HipaaSpace



Add Partner

Name: HIPAASpace ✓

Qualifier: J2 - Mutually Defined ✓

Value: HIPAASPACE ✓

OK

Microsoft Azure | wdlmegrationAcct | Partners

Partners

NAME	TYPE
HIPAAspace	J2B
Phidiarx	J2B

Integration Account: Agreement



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Defines specifics about how messages are sent and received by Partners.

Microsoft Azure | wdlmegrationAcct | Agreements | Edit

Agreements

NAME	TYPE	WSDL ENDPOINT	QUALIFY PARTNER
agreementPhidiarx...	J2B	Phidiarx	HIPAAspace

Name: agreementPhidiarx...

Agreement type: J2B

Host Partner: Phidiarx

Host identity: J2 - PHIDIAX

Guest Partner: HIPAAspace

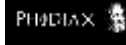
Guest identity: J2 - HIPAASPACE

Message Settings

Send Settings

OK

Integration Account: Agreement



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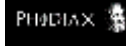
□ Receive Settings

The screenshot shows the 'Receive Settings' configuration page in the Microsoft Azure portal. The left sidebar contains a navigation pane with options like 'Name', 'Agreement type', 'Host Partner', 'Host identity', 'Guest Partner', 'Guest identity', 'Receive settings', and 'Send settings'. The 'Receive settings' section is active, displaying the following configuration:

- Identifiers:**
 - ISA1 (Authentication Qualifier): ID - No Authentication Information...
 - ISA2 (Security Qualifier): ID - No Security Information Present
 - ISA3: IDA2
 - ISA4: IDA4
- Autoacknowledgment:**
 - ☐ Tally Expected
 - ☒ No Expected
 - ISA Version: IDA2
 - ISA Version: IDA4
 - ISA Version: IDA2
 - ISA Version: IDA4
- Schemas:**
 - TRANSACTION TYPE IDA2
 - TRANSACTION TYPE IDA4
 - Schema: IDA2
 - Schema: IDA4

Buttons for 'OK' and 'Cancel' are visible at the bottom.

Integration Account: Agreement



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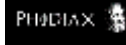
□ Send Settings

The screenshot shows the 'Send Settings' configuration page in the Microsoft Azure portal. The left sidebar contains a navigation pane with options like 'Name', 'Agreement type', 'Host Partner', 'Host identity', 'Guest Partner', 'Guest identity', 'Receive settings', and 'Send settings'. The 'Send settings' section is active, displaying the following configuration:

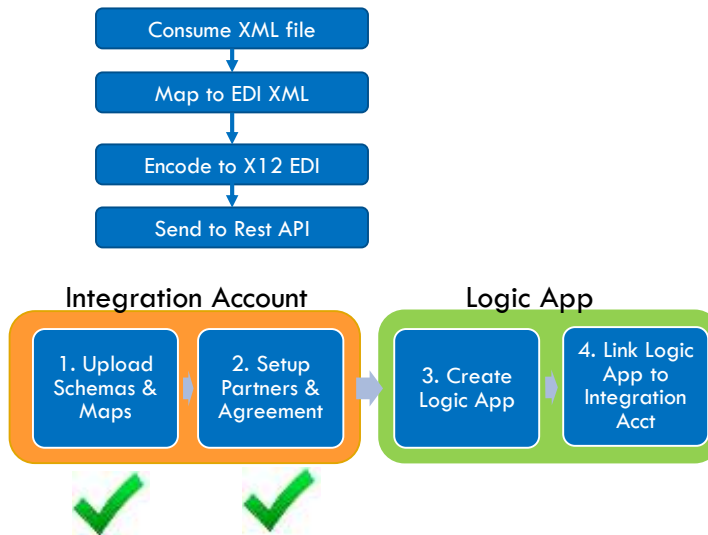
- Identifiers:**
 - ISA1 (Authentication Qualifier): ID - No Authentication Information...
 - ISA2 (Security Qualifier): ID - No Security Information Present
 - ISA3: IDA2
 - ISA4: IDA4
- Autoacknowledgment:**
 - ☐ Tally Expected
 - ☒ No Expected
 - ISA Version: IDA2
 - ISA Version: IDA4
- Schemas:**
 - TRANSACTION TYPE IDA2
 - TRANSACTION TYPE IDA4
 - Schema: IDA2
 - Schema: IDA4

Buttons for 'OK' and 'Cancel' are visible at the bottom.

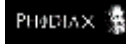
Azure – Scenario and Setup



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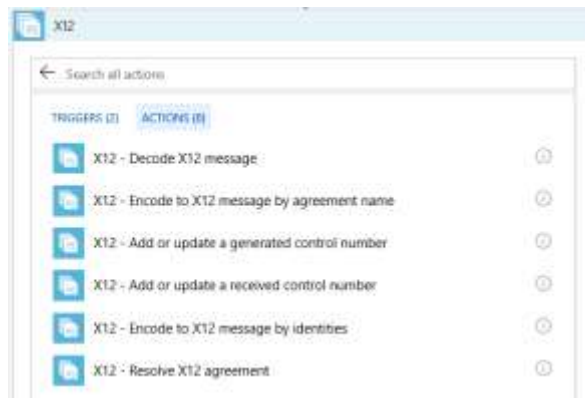


Logic Apps – EDI Capabilities



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- X12
 - ▣ Encode
 - ▣ Decode
- EDIFACTS
 - ▣ Encode
 - ▣ Decode
- AS2
 - ▣ Encode
 - ▣ Decode



Logic App Demo



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Questions?



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Thanks



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- ☐ Ashish Bhambhani – Microsoft
- ☐ Gyanendra Gautam – Synegrate
- ☐ Mandi Ohlinger – Microsoft
- ☐ Antoine Lavoisier - HipaaSpace