Magic xpi

DynamicsAX アダプタのご紹介

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Magic Software Japan K.K.

DynamicsAX アダプタ

DynamicsAX インバウンドポートの定義にて設定したサービスオペレーションに対し、検索、作成、更新、削除等の操作を行うことができます。

【主な特徴】

- DynamicsAX 2012R2、2012R3をサポート
- WCF(Windows Communication Foundation)クライアントベース
- インバウンド ポートで設定/公開されたオブジェクトを動的に取得し、データ項目をデータマッパーに自動展開

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連携イメージ１

■ クラウドサービスとの連携(例：Salesforce.comとの連携)

Salesforce.com

Magic xpi
Integration Platform

DynamicsAX

- **DynamicsAX ⇒ Salesfoece.com**
  マスターデータ連携(顧客、商品等)
- **Salesfoece.com ⇒ DynamicsAX**
  伝票データ連携(商談、見積等)

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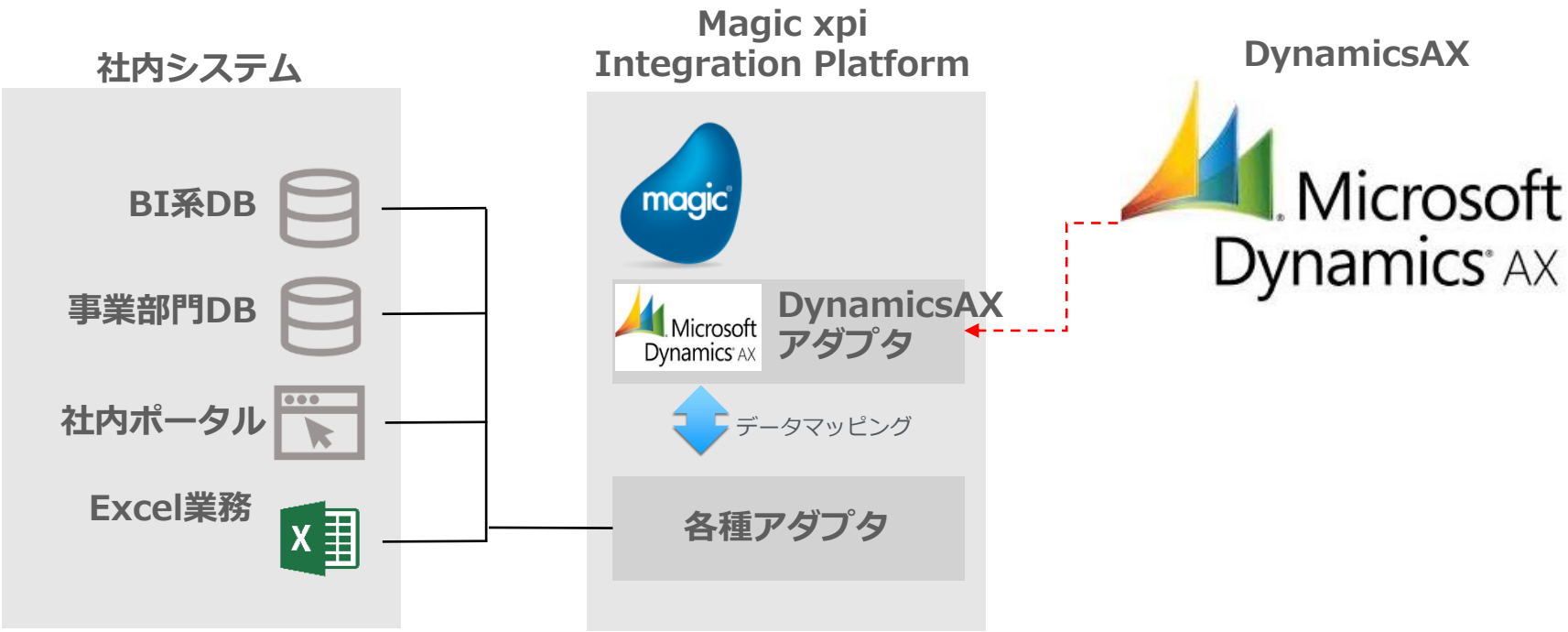
連携イメージ2

- DynamicsAXから必要なデータを取り出す



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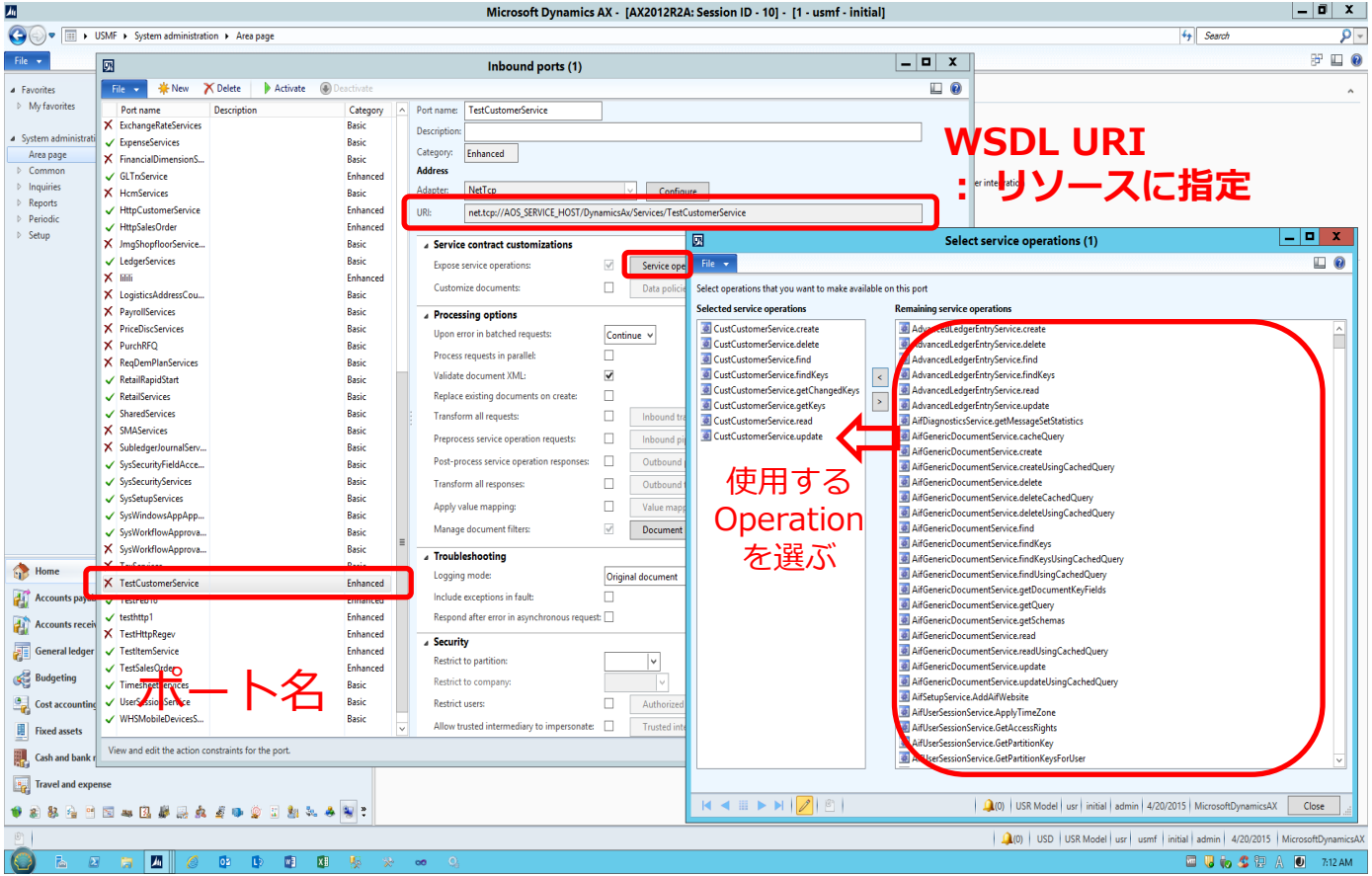
DynamicsAXでの設定：インバウンド ポートの定義



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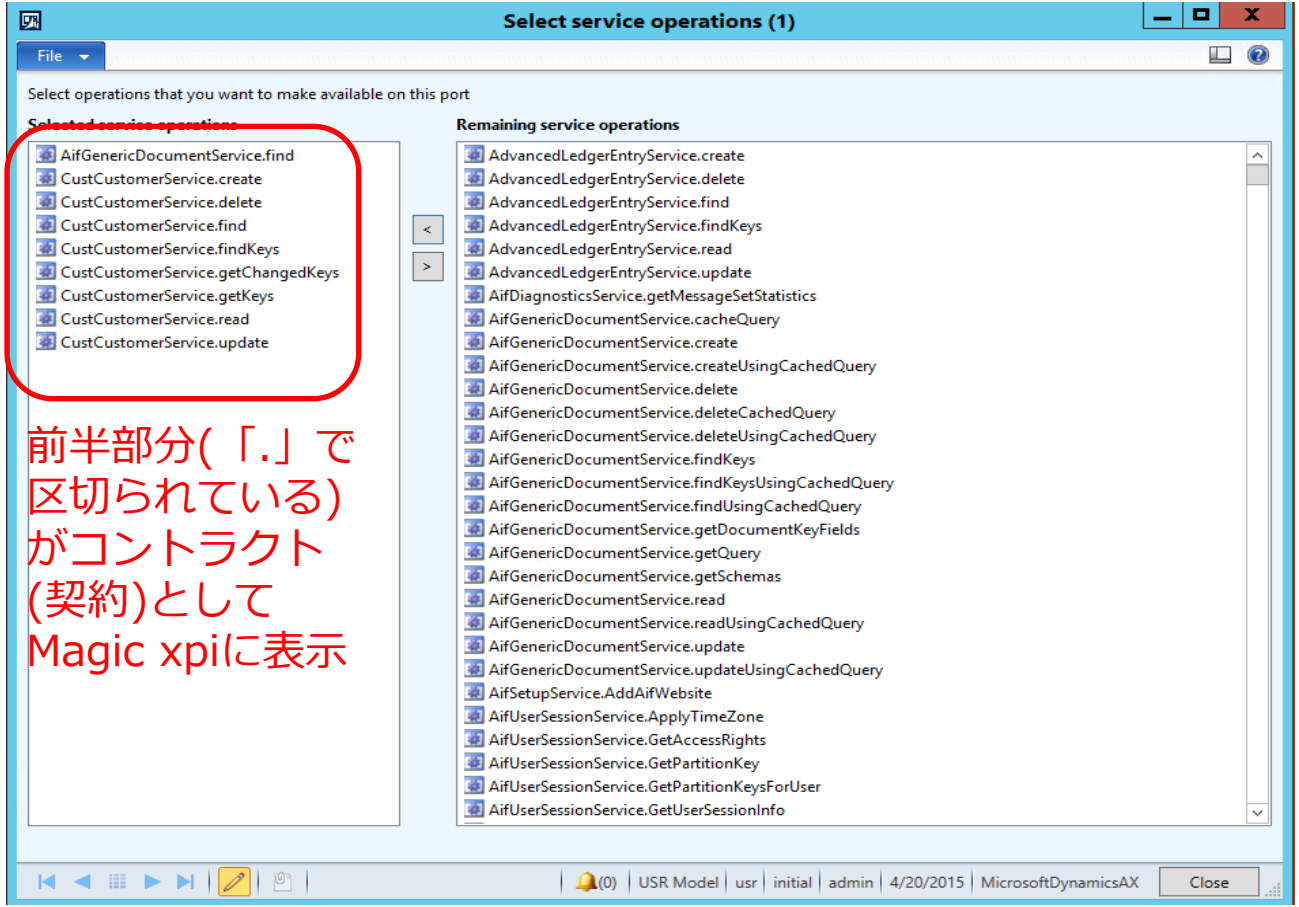
DynamicsAXでの設定：サービスオペレーションの定義



前半部分(「.」で区切られている)がコントラクト(契約)としてMagic xpiに表示

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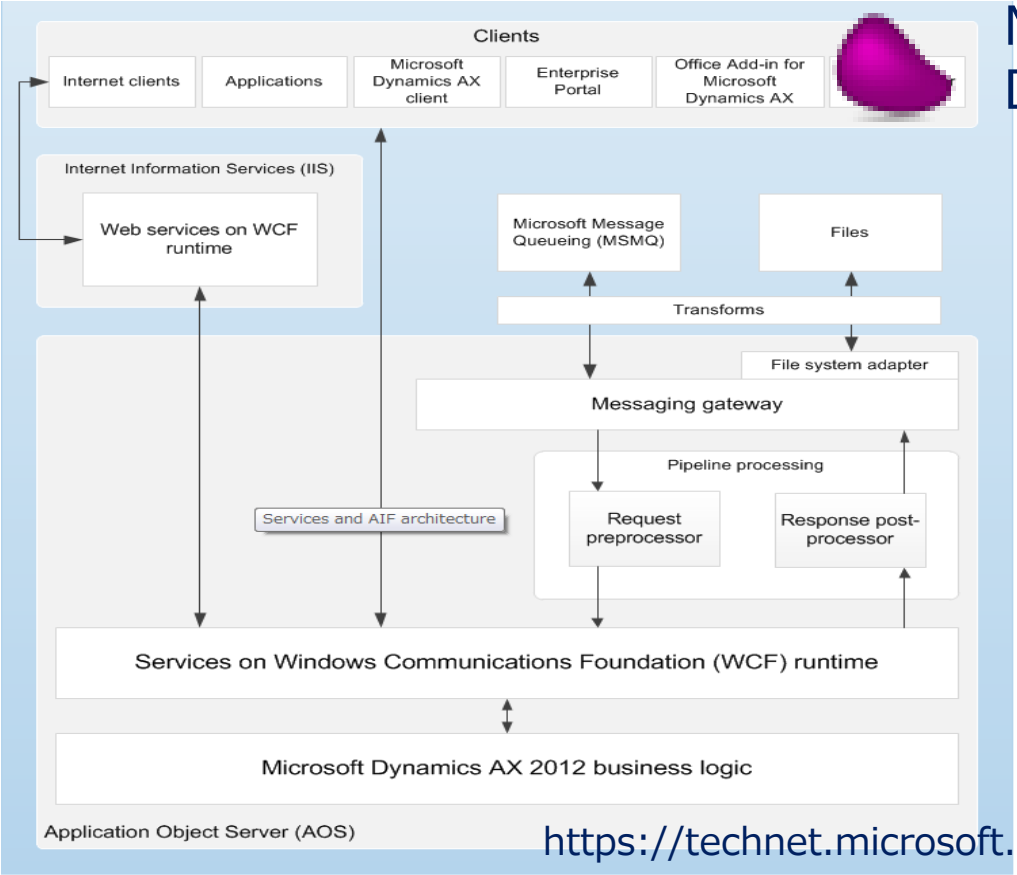
DynamicsAX連携概要



Services and Application Integration Framework architecture

Magic xpi+
DynamicsAXアダプタ

https://technet.microsoft.com/ja-jp/library/dd309705.aspx

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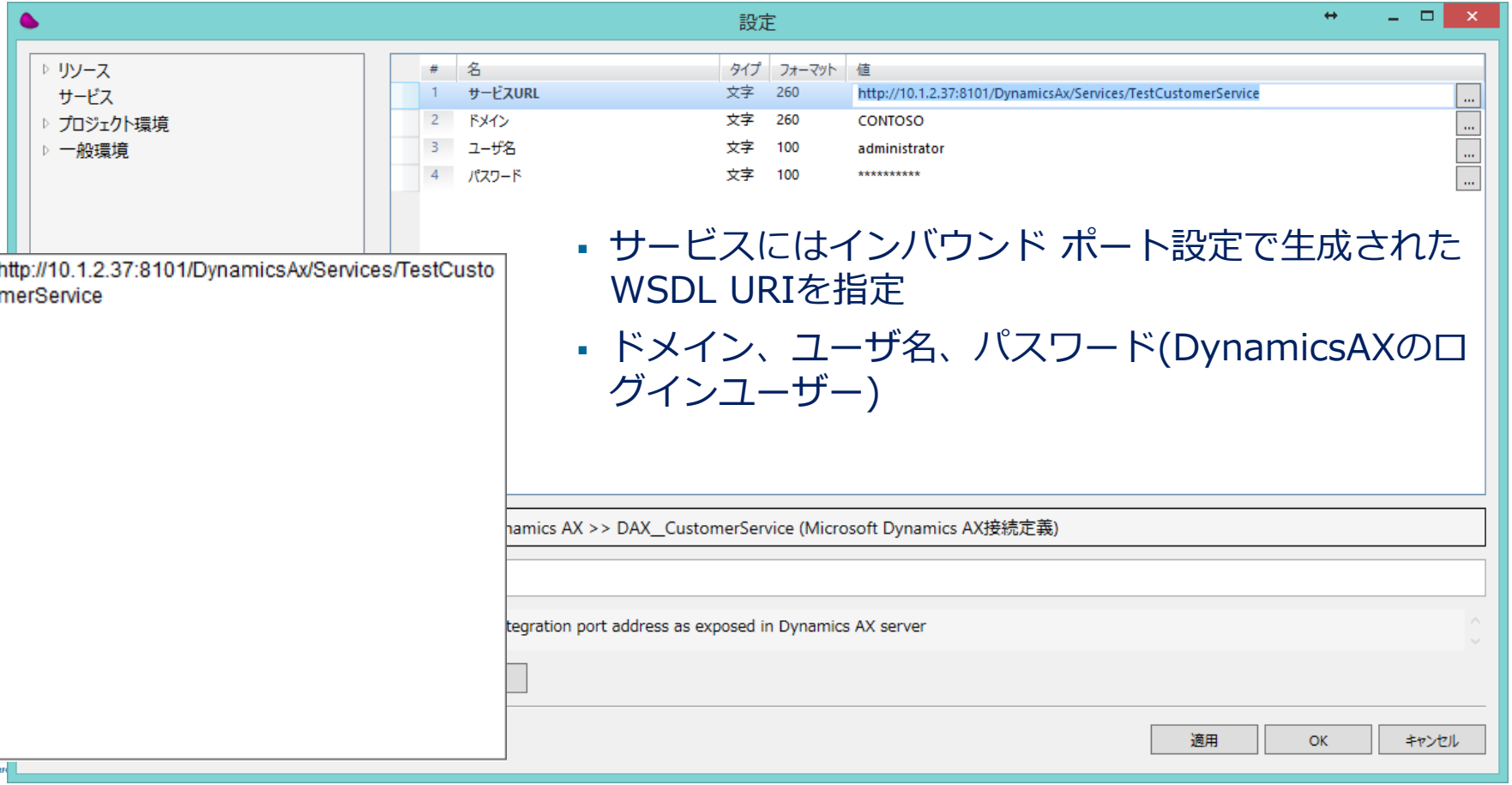
設定イメージ：リソース



- サービスにはインバウンド ポート設定で生成されたWSDL URIを指定
- ドメイン、ユーザ名、パスワード(DynamicsAXのログインユーザー)

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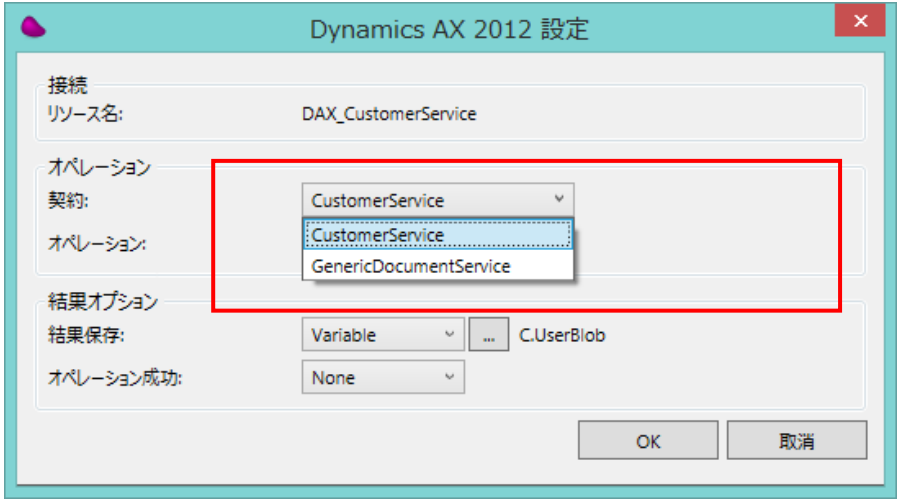
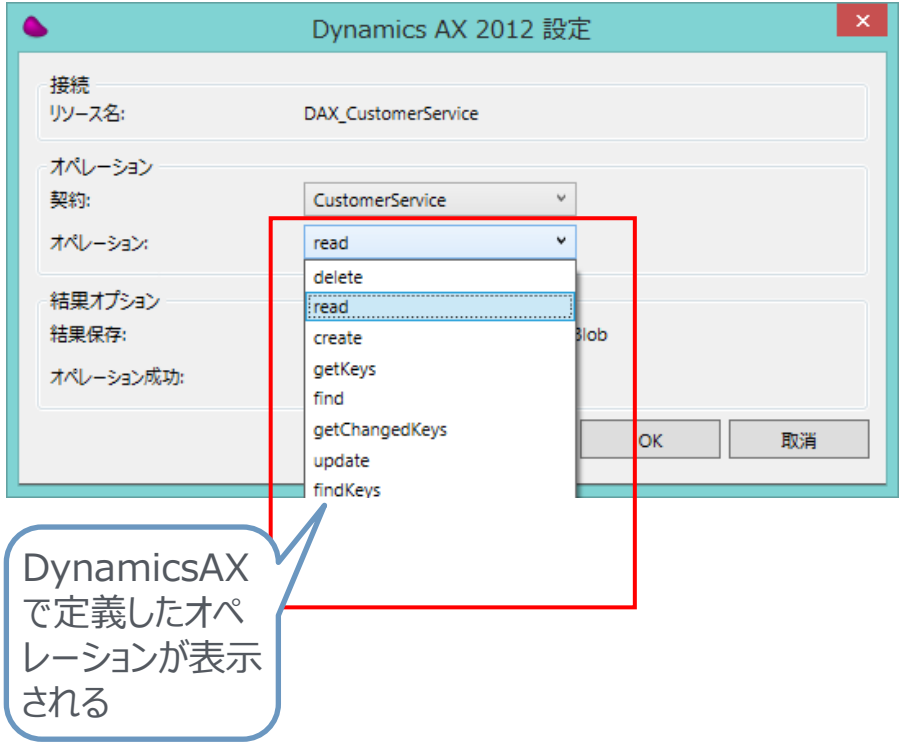
設定イメージ

■ 契約(コントラクト)とオペレーションを選択





- リソースで定義されたインバウンド ポートを参照するURL経由でDynamics AX上のサービスオペレーションを参照する
- Dynamics AX 上で行われた変更はサービスをリロードすることで反映

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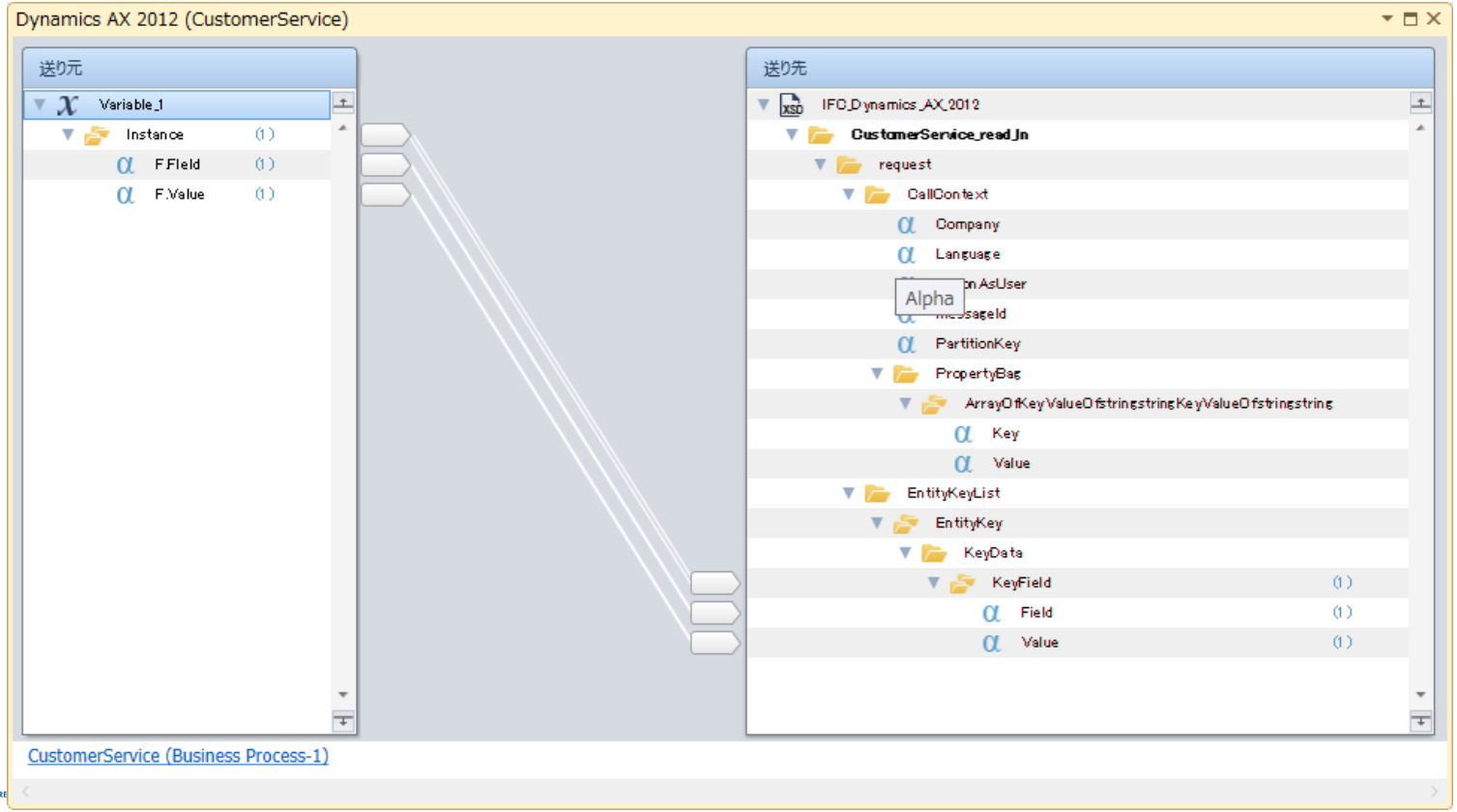
設定イメージ

- マッパ画面でクエリパラメータや登録する値を設定



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実行結果

- 顧客データを取り出したい

Microsoft Dynamics AX - [AX2012R2A: Session ID - 10] - [1 - usmf - initial]

USMF ▸ Sales and marketing ▸ Common ▸ Customers ▸ All customers

File | Customer | Sell | Invoice | Collect | Projects | Service | Market | Retail | General

Customer (New) | Edit in grid, Delete (Maintain) | Contacts (Accounts) | Transactions (Transactions) | Balance (Balance) | Bank accounts, Summary update, Credit cards (Set up) | List | Attachme... | Forecast (Forecast) | Catalogs | Reporting | Taxes (Registrat...) | Customer service

Favorites
- My favorites

Sales and marketing
- Area page
- Common
  - Customers
    - All customers
  - Prospects
  - Leads
  - Contacts
  - Opportunities
  - Campaigns
  - Telemarketing
  - Sales quotations
  - Sales orders

Home
Accounts payable
Accounts receivable
General ledger
Budgeting
Cost accounting
Fixed assets
Cash and bank management
Travel and expense

All customers

Type to filter | Customer account

Name	Customer account	Telephone
Birch Company	US-027	111-555-01...
Cave Wholesales	US-004	123-555-01...
Contoso Europe	DE-001	01234 56789
Contoso Retail Chicago	US-015	123-555-01...
Contoso Retail Dallas	US-011	123-555-01...
Contoso Retail Detroit	US-018	123-555-01...
Contoso Retail Los Angeles	US-002	123-555-01...
Contoso Retail Miami	US-028	123-555-01...
Contoso Retail New York	US-012	123-555-01...
Contoso Retail Portland	US-006	123-555-01...
Contoso Retail San Diego	US-001	321-555-01...
Contoso Retail Seattle	US-005	123-555-01...
Contoso Retail USA	US-040	123-555-01...
Contoso Retail Virginia	US-022	123-555-01...
Desert Wholesales	US-007	123-555-01...
Forest Wholesales	US-003	123-555-01...
Grebe Wholesales	US-014	123-555-01...
Maple Company	US-026	123-555-01...
Oak Company	US-025	123-555-01...
Orchid Shopping	US-020	123-555-01...

US-007 : Desert Wholesales

Customer group: 30
Credit limit: 500,000.00
Delivery terms: FOB
Sales tax group: NV
Cash discount: 0.5%D10
Terms of payment: Net45
Method of payment: CHECK
Payment schedule:
Modified date and time: 5/2/2014
Modified by: SARA

Primary address
123 Purple Road
Boulder City,NV 89005
USA

Recent activity
Statistics
Classification balances
Roles
Relationships
Contacts
Recurring invoice templ...
Related information
Tax registration

Name. | (0) | USD | USR Model | usr | usmf | initial | admin | 4/21/2015 | MicrosoftDynamicsAX

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実行結果

- Magic xpiはXMLでデータを取得


```
<?xml version="1.0"?>
- <CustomerService_read_Out xmlns:i="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://schemas.microsoft.com/dynamics/2010/01/datacontracts">
  - <Out xmlns:a="http://schemas.microsoft.com/dynamics/2008/01/services">
    - <a:Customer xmlns:b="http://schemas.microsoft.com/dynamics/2008/01/documents/Customer">
        <b:ClearNilFieldsOnUpdate i:nil="true"/>
        <b:DocPurpose>Original</b:DocPurpose>
        <b:SenderId>usmf</b:SenderId>
      - <b:ValidAsOfDateTime xmlns:c="http://schemas.microsoft.com/dynamics/2008/01/sharedtypes">
          <c:Value>2015-04-21T05:59:48Z</c:Value>
          <c:localDateTime>0001-01-01T00:00:00</c:localDateTime>
          <c:timezone>GMTMINUS1200INTERNATIONALDATELINEWEST</c:timezone>
        </b:ValidAsOfDateTime>
        <b:ValidFromDateTime i:nil="true" xmlns:c="http://schemas.microsoft.com/dynamics/2008/01/sharedtypes"/>
        <b:ValidTimeStateType>AsOf</b:ValidTimeStateType>
        <b:ValidToDateTime i:nil="true" xmlns:c="http://schemas.microsoft.com/dynamics/2008/01/sharedtypes"/>
      - <b:CustTable>
        - <b:AxdEntity_CustTable>
            <b:action>create</b:action>
            <b:class>entity</b:class>
            <b:_DocumentHash>f2d6b050ae2b6fe620be43aa427b412e</b:_DocumentHash>
            <b:AccountNum>US-007</b:AccountNum>
            <b:AccountStatement>Always</b:AccountStatement>
            <b:Affiliated_RU>No</b:Affiliated_RU>
            <b:AgencyLocationCode i:nil="true"/>
            <b:BankAccount i:nil="true"/>
            <b:BankCentralBankPurposeCode i:nil="true"/>
            <b:BankCentralBankPurposeText i:nil="true"/>
            <b:BankCustPaymIdTable i:nil="true"/>
            <b:BirthCountyCode_IT i:nil="true"/>
            <b:BirthDate_IT i:nil="true"/>
            <b:BirthPlace_IT i:nil="true"/>
            <b:Blocked>No</b:Blocked>
            <b:CashDisc>0.5%D10</b:CashDisc>
            <b:CashDiscBaseDays i:nil="true"/>
            <b:CCMNum_BR i:nil="true"/>
            <b:ClearingPeriod i:nil="true"/>
            <b:CNAE_BR i:nil="true"/>
            <b:CNPJCPFNum_BR i:nil="true"/>
            <b:CommercialRegister i:nil="true"/>
            <b:CommercialRegisterInsetNumber i:nil="true"/>
            <b:CommercialRegisterSection i:nil="true"/>
            <b:CommissionGroup i:nil="true"/>
            <b:CompanyChainId i:nil="true"/>
            <b:CompanyIdSiret i:nil="true"/>
            <b:CompanyNAFCode i:nil="true"/>
            <b:CompanyType_MX>Blank</b:CompanyType_MX>
            <b:ConsDay_JP i:nil="true"/>
            <b:ContactPersonId i:nil="true"/>
            <b:CreditCardAddressVerification>None</b:CreditCardAddressVerification>
            <b:CreditCardAddressVerificationLevel>Accept</b:CreditCardAddressVerificationLevel>
            <b:CreditCardAddressVerificationVoid>No</b:CreditCardAddressVerificationVoid>
            <b:CreditCardCVC>None</b:CreditCardCVC>
            <b:CreditMax>500000.0000000000000000000</b:CreditMax>
```


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適用パターン

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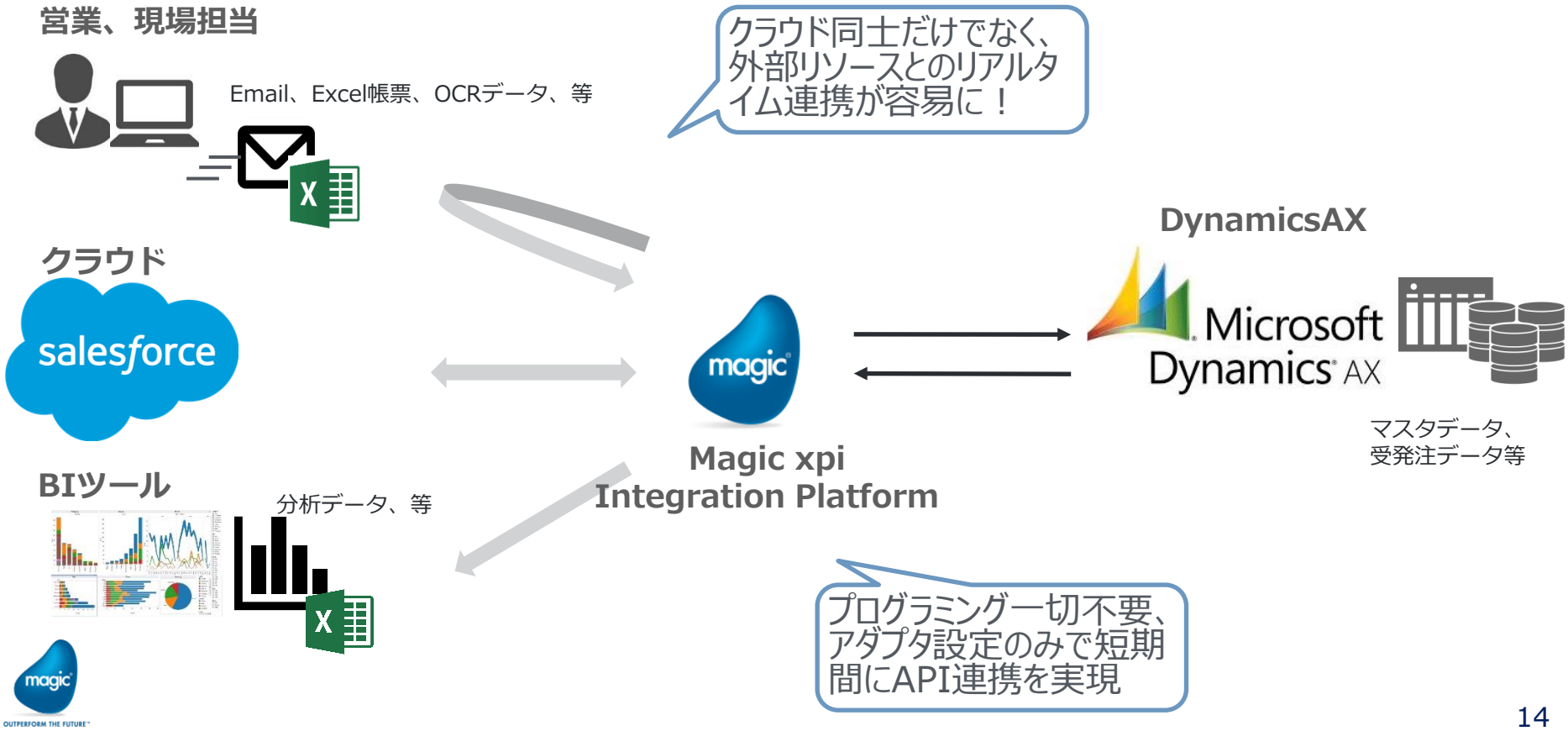
アダプタを利用した適用パターン



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THANK YOU!

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