

Hamburger Notes Netzwerk

IBM Collaboration Solutions

Domino on Cloud

Hamburg, Februar 2015

Andreas Schulte, andreas.schulte@de.ibm.com
Mit Material von Niklas Heidloff, Matthias Schneider,
IBM Cloud onboarding Team - © 2014, 2015 IBM Corporation

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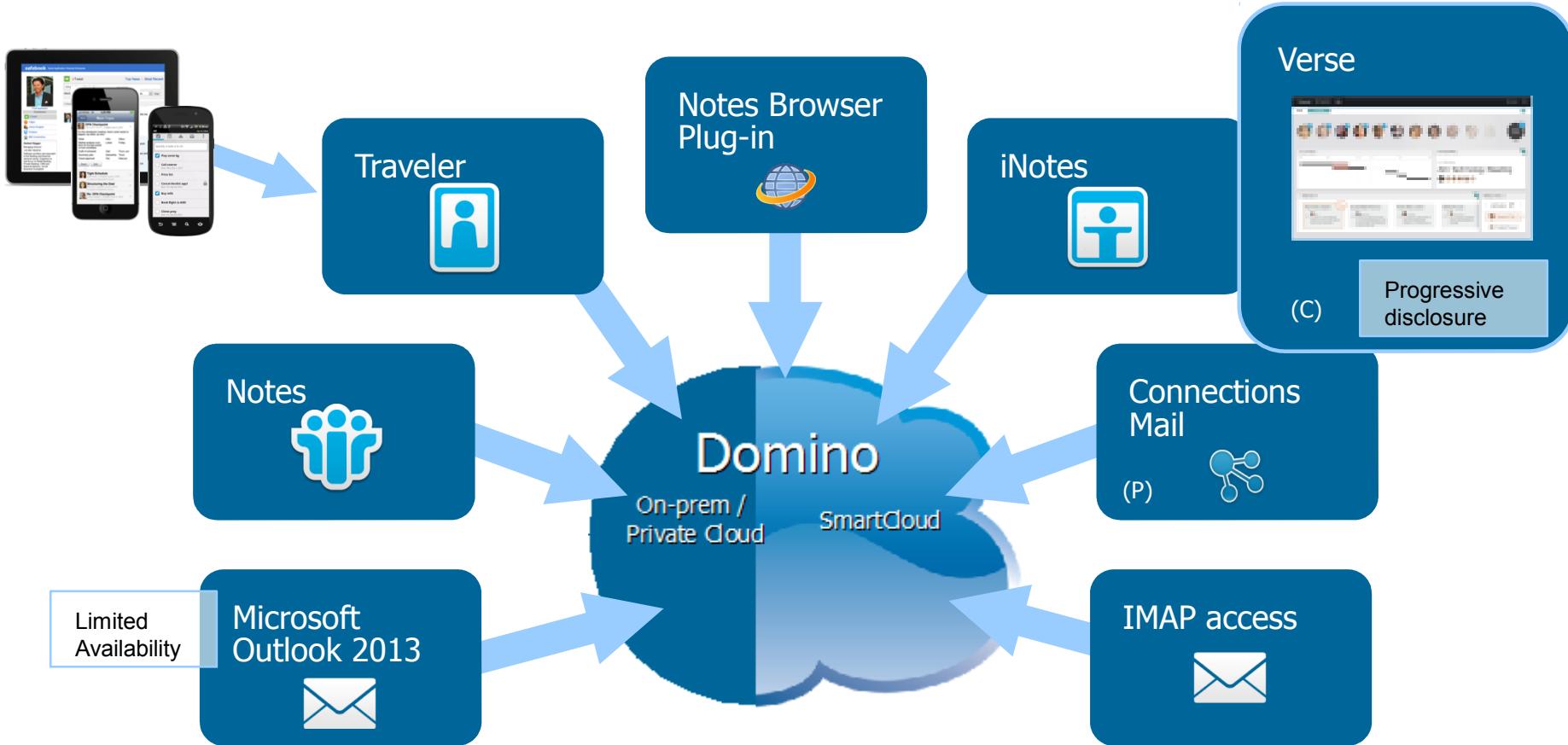
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IBM provides choice in client experience



(P) = On-premises only (C) = Cloud Initially

I... / P... / S... as a Service

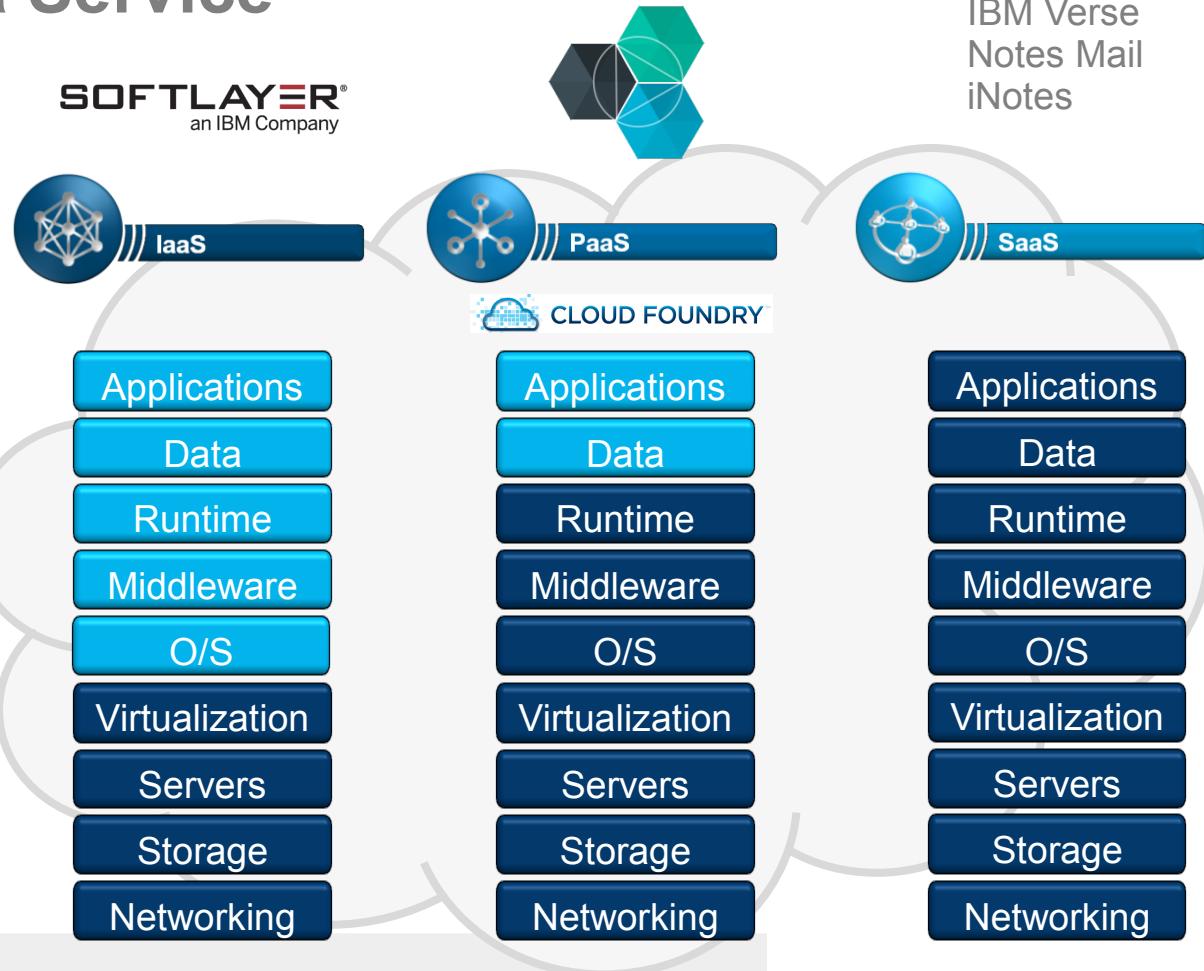
SOFTLAYER®
an IBM Company

On Premises

Applications
Data
Runtime
Middleware
O/S
Virtualization
Servers
Storage
Networking

Client managed

Vendor managed



IBM Verse
Notes Mail
iNotes

**Der Vollständigkeit halber aber heute kein
Thema:**

**Domino / Connections
hybrid**

Domino Plattformen für Anwendungen in der Cloud

Service Level	Produkt	Managed by
Infrastruktur as a Service (IaaS)	Domino on Softlayer	Business Partner IBM
Plattform as a Service (PaaS)	BlueMix	IBM *)
Software as a Service (SaaS)	Business Partner Solutions	Business Partner

*) BlueMix kann auch als dedizierte private Instanz auf Softlayer durch Kunden und Business Partner betrieben werden.

Domino Anwendungen

	Anwendungen im Browser		Notes
Plattform	XPages	NBP	Standardclient
Betriebssystem	Browser definiert	Windows	Windows, Mac, Linux
Protokoll	http(s)	NRPC	NRPC
Mail Integration	iNotes (Verse)	iNotes (Verse)	Notes Mail
Notes native GUI	nein	ja	ja
Mobile Apps	ja	nein	nein
Responsive Design	ja	nein	nein
MVC Pattern	ja	nein	nein
SQL RD BMS	ja	nein	nein
Watson Integration	via Bluemix	nein	REST (nicht getestet)
Portal Integration	ja	Nicht getestet	nein

Technische Zielszenarien aus Clientsicht

Client zu Server:	Domino on Cloud	Domino on premises
Mail Notes Standardclient		
Mail Browser		
NSF Anwendung im Standardclient		
NSF Anwendung im Browser		
Mail auf mobilem Device		
NSF Anwendung auf mobilem Device		

... oder hybride Mischungen davon.

Mail powered by Domino on Cloud

	Verse	Notes	iNotes	Outlook 2013
iOS	ja	Via Traveler	ja	Via Traveler
Android	(ja)	Via Traveler	ja	Via Traveler
Blackberry	(keine Informationen)	BES 9 oder via Traveler	Ultralite nein	BES 9 oder via Traveler
Windows	ja	ja	ja	(ja)
Mac	(ja)	ja	ja	nein
Linux	(ja)	ja	ja	nein

*) via Traveler = Unterstützung der nativen eMail Anwendung des mobil OS

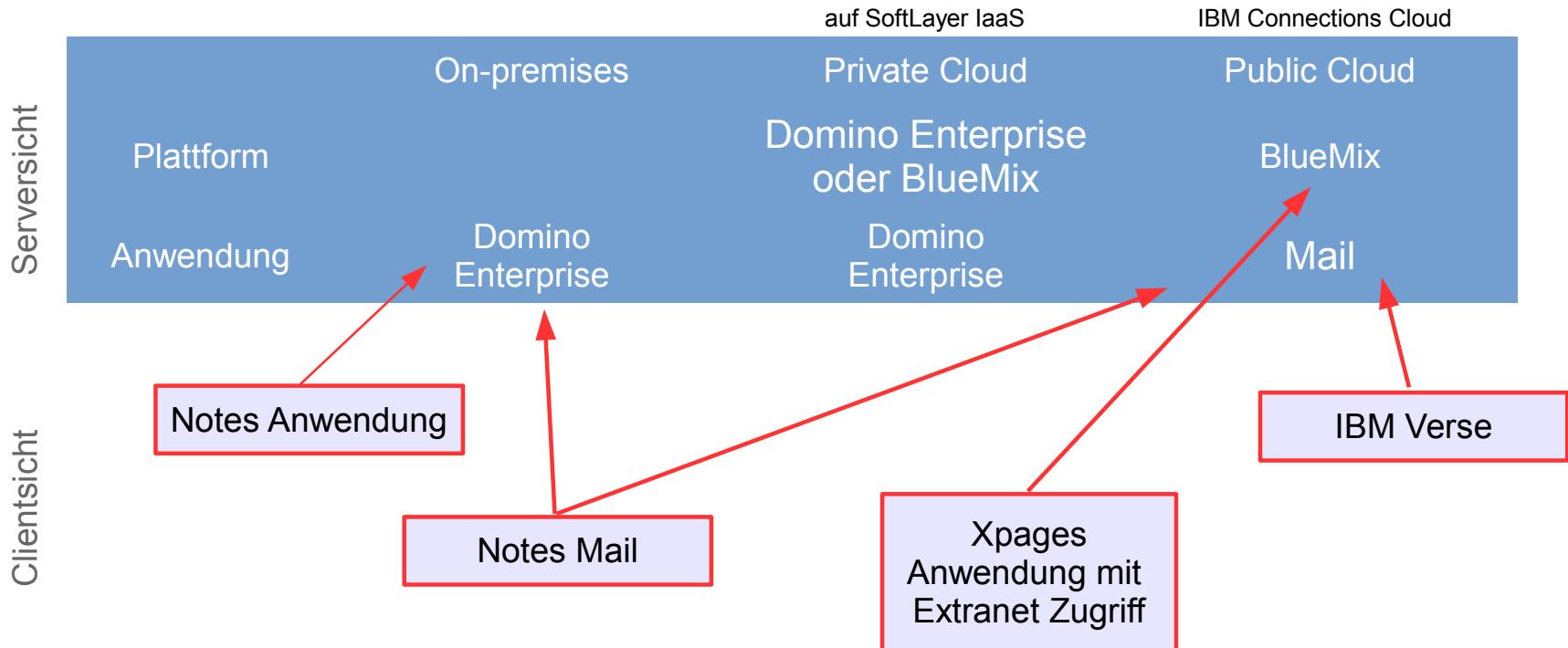
(ja) = Roadmap oder in Prüfung – kann ohne Ankündigung durch IBM entfallen

Domino „hybrid deployment“ Optionen

Serversicht

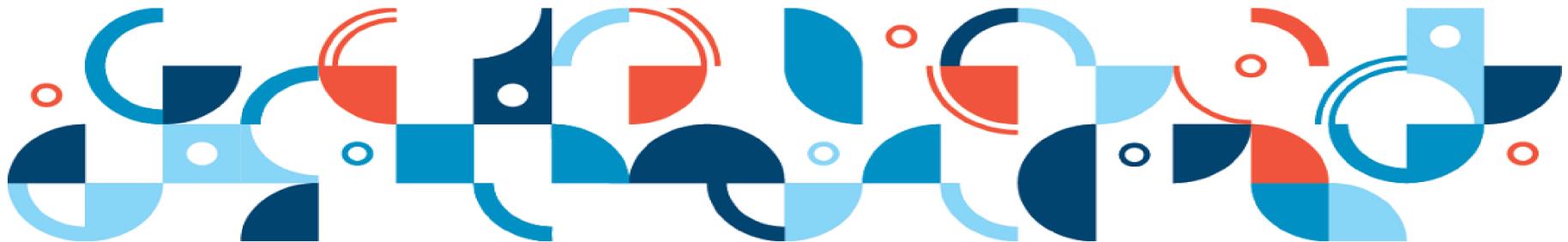
	On-premises	auf SoftLayer IaaS	IBM Connections Cloud
Plattform		Private Cloud	Public Cloud
Anwendung	Domino Enterprise	Domino Enterprise oder BlueMix	BlueMix
		Domino Enterprise	Mail

Domino „hybrid deployment“ Optionen



IBM Domino – Mail Server

Hybrid Implementation and Configuration



IBM Domino – Mail Server Hybrid Implementation and Configuration

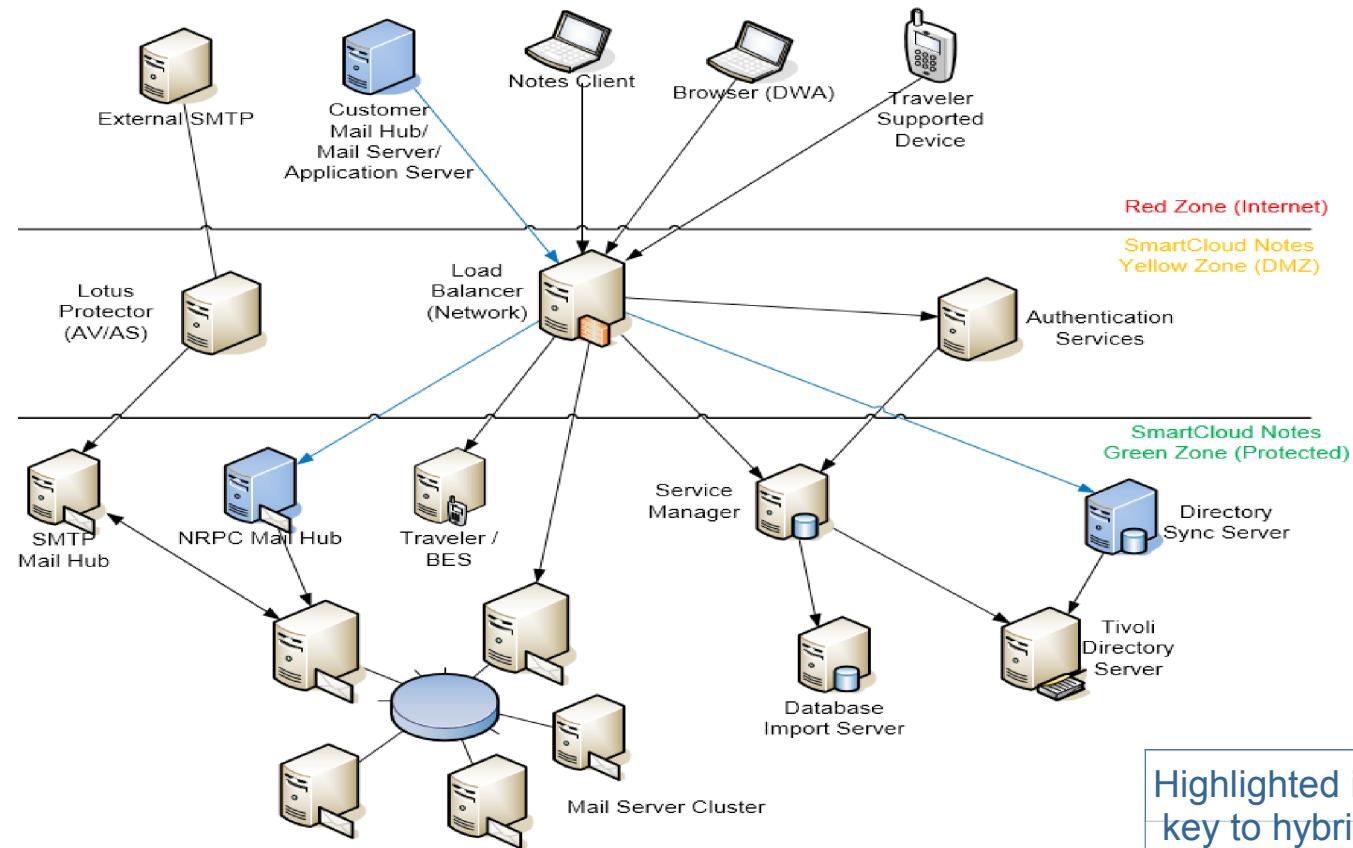
- SmartCloud Notes “Hybrid” Reference Architecture
- Key Value Propositions of “Hybrid” Configuration
- Common SmartCloud Notes “Hybrid” Configurations
- Setting Up the “Hybrid” Configuration
- Creating the SmartCloud Customer Account
- Configuring the SmartCloud “Hybrid” Account Information
- Related Materials

IBM Domino – Mail Server

Hybrid Implementation and Configuration

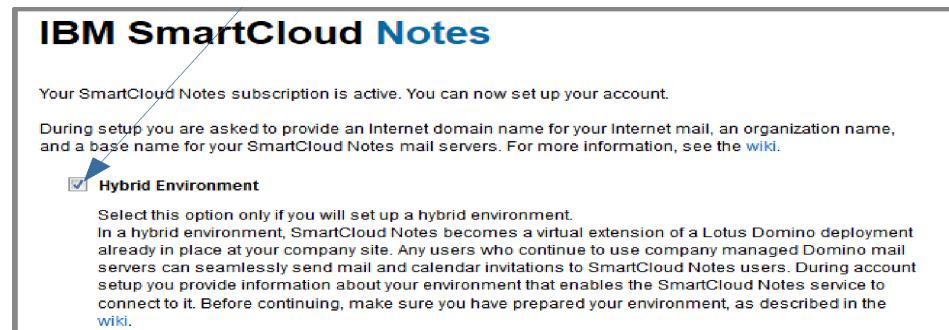
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Connections Cloud - Notes “Reference” Architecture



What Does “Hybrid” Mean ?

- It allows existing IBM® Domino® customers to integrate the on-premises environment and is a core strength and value proposition
- It defines the administrative model allowing more control using standard on-premises administration tools (Domino Administrator client, Domino Directory)
- As a “Hybrid” customer, the customer Admin can choose if the mail users mail account exists on-premises or in the SmartCloud Notes service.
- It is designed to support both transitory or perpetual coexistence
- Customers select the “Hybrid Environment” option when performing initial setup
- In the context of SmartCloud Notes, it refers to a specific configuration of the SmartCloud Notes customer account within the service



IBM Domino – Mail Server

Hybrid Implementation and Configuration

- SmartCloud Notes “Hybrid” Reference Architecture
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- Related Materials

Key Value Propositions of “Hybrid”

- Customers can keep current environment / investment in their existing Domino architecture
- Supports IBM® Notes®, browser, IMAP and mobile clients (Traveler and BlackBerry)
- Users don't need to care who is Hosted or On-Premises
 - e.g. user address lookup & mail routing just work
- Maintains the existing certificate hierarchy and domain structure
 - No cross-certification required
 - Users keep their existing ID files
 - Users keep their existing Internet mail addresses
 - SmartCloud Notes virtual servers are members of the same hierarchy / domain
 - Domino directories (primary, ex. dircat, etc.) are replicated into the service for synchronization
- Supports native NRPC mail routing
 - Preserves Domino specific items like database/document links and stored form content
- No change required to continue accessing existing applications
- Existing mail databases can be transitioned in their entirety or with a selected subset of data
 - Encrypted content remains intact
 - Private items remain intact
- Flexibility in deployment / transition time scale

IBM Domino – Mail Server Hybrid Implementation and Configuration

- Connections Cloud Notes “Hybrid” Reference Architecture
- Key Value Propositions of “Hybrid” Configuration
- Common Connections Cloud Notes “Hybrid” Configurations
- Setting Up the “Hybrid” Configuration
- Creating the Connections Cloud Customer Account
- Configuring the Connections Cloud “Hybrid” Account Information
- Related Materials

Common Connections Cloud Notes “Hybrid” Configurations

- SmartCloud Notes becomes an extension of the customer environment
- User, Group and Policy management are performed as they are done today via the Domino Directory and Administrator client
- One or more directories are synchronized into SmartCloud Notes to provide common view of users, groups, policies, etc.
- By default, customer owns e-mail domains and receives all mail for those domains before routing to SmartCloud Notes
 - MX records can be pointed directly at SmartCloud Notes with service agreement
 - Outbound SMTP from SmartCloud Notes can be routed via alternate customer specified relay
- Internal Domino server handles directory replication (Domino 8.5.1 FP2 +)
 - List of directory replicas to be replicated
- e.g. names.nsf, otherdomainnames.nsf, exdircat.nsf, etc.
- Remote access via directory assistance is not supported
 - All directories need to be replicated to the directory synch server
 - EDC's supported for mail routing and name picker only (can't be used for user selection for provisioning)
 - Careful directory planning is needed prior to configuring your SmartCloud Notes company account

Hybrid Environment - Policies

- In a hybrid environment in which some mail files are on SmartCloud Notes servers and some are on-premises on company Domino servers, Domino Administrators can use explicit group policies to ensure that all users have the same Notes client experience.
- Some policy settings are enforced for all SmartCloud Notes users and cannot be overridden by a group policy.
- Other policy settings can be set by customer administrators and applied using explicit group policies via policy documents that are in their on-premises Domino directory.
- On-premises Domino administrators cannot open the SmartCloud Notes policy to view the settings. However, from the Domino Administrator client, they can view a detailed summary of the effective policy settings by viewing a policy synopsis for a selected user or group.
- Administrative policies in the SmartCloud Notes service (see online documentation)

Using administrative policies

Added by  IBM | Edited by  Kendra Bowker on February 8, 2013 | Version 3 (Show original)

[Edit](#) | [More Actions](#)  (0 ratings)

Abstract

If you use administrative policies on premises, you can apply many of those same policy settings to service users to ensure that all users have the same working experience.

Tags: [policies](#), [administrative policies](#)

There are two types of policies, organizational and explicit. An organizational policy automatically applies to all users in that company and is used to apply a small set of pre-defined policy settings to users in the service. In a hybrid environment, on-premises administrators can create explicit policies that mirror the on-premises organizational policy. You then apply the policy to specific users or groups.

For example, the fictitious Renovations Corporation has an on-premises organizational policy that applies to all users in the company. Samantha Daryn/Renov, is assigned this policy. But the Renov organizational policy cannot be used for users in the service because the service does not have the same organizational structure as the on-premises Renov organizational policy. Next the administrator adds the name */Renov as a new explicit policy for the service.

If you plan to use explicit group policies for your service users, take inventory of the following so that you can use the information to create the most effective policies.

- [Policy settings that are currently in place in your on-premises organization](#).
- [Policy settings that are pre-defined for users in the service](#). Pre-defined policy settings apply to all service users.
- [Policy settings that are supported by the service](#). If your on-premises policies include unsupported settings, you can use the service's supported policy settings to create an equivalent policy.

If you are unfamiliar with using administrative policies, see the section on Policies in the User and Server Configuration Guide.

Policy settings supported by the service

In a hybrid environment, on-premises Lotus Domino administrators can use explicit group policies to ensure that all users have the same working experience. You can also use administrative policies to apply explicit policies to service users. Other policy settings can be set by on-premises administrators and applied using explicit policies.

Policy settings that are pre-defined for users in the service

In a hybrid environment, on-premises administrators can use policies to ensure that the Lotus Notes client uses the same policy settings as the on-premises Domino server. The following tables list the specific policy settings that are enforced for users in the service.

Using policies to configure message disclaimers

In a hybrid environment, the service supports adding message disclaimers to outgoing mail sent from the service. They are often used to protect the legal interests of an organization.

Using policies with SmartCloud Traveler

Hybrid Configuration Software Version Requirements

Version requirements for on-premises Domino Servers (Stand: Okt. 2014)

On-Premises Server Type	Supported Versions
• Mail routing server (in the directory synchronization and mail routing domain)	<ul style="list-style-type: none">• Lotus Domino 8.5.1 Fix Pack 2• Lotus Domino 8.5.2, 8.5.3 (or later)• IBM Domino 9.0 (or later)
• Directory synchronization server (in the directory synchronization and mail routing domain)	<ul style="list-style-type: none">• Lotus Domino 8.5.1 Fix Pack 2• Lotus Domino 8.5.2, 8.5.3 (or later)• IBM Domino 9.0 (or later)
• Mail servers that request the free time of Cloud Notes users	<ul style="list-style-type: none">• Lotus Domino 8.5.1 Fix Pack 2• Lotus Domino 8.5.2, 8.5.3 (or later)• IBM Domino 9.0 (or later)
• Passthru domain servers	<ul style="list-style-type: none">• Any supported version of Lotus Domino• Use Lotus Domino 8.5.2 (or later) for fastest response time for connections from SmartCloud Notes to on-premises servers.

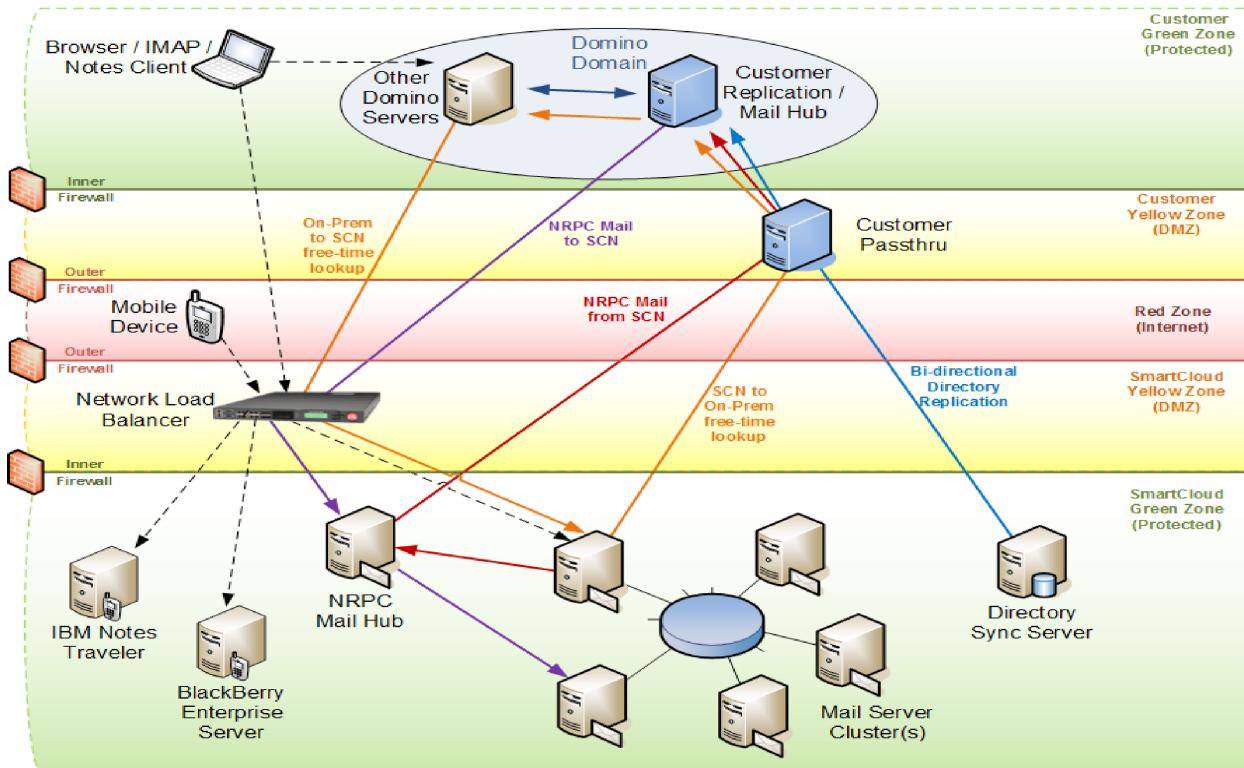
“Hybrid” – Basic Architecture

Most suitable for implementations where HA is not a requirement (e.g. pilot or smaller customer implementations)

- Single Domino domain
- Single Domino passthru server
- Single combined Domino mail routing and directory replication server

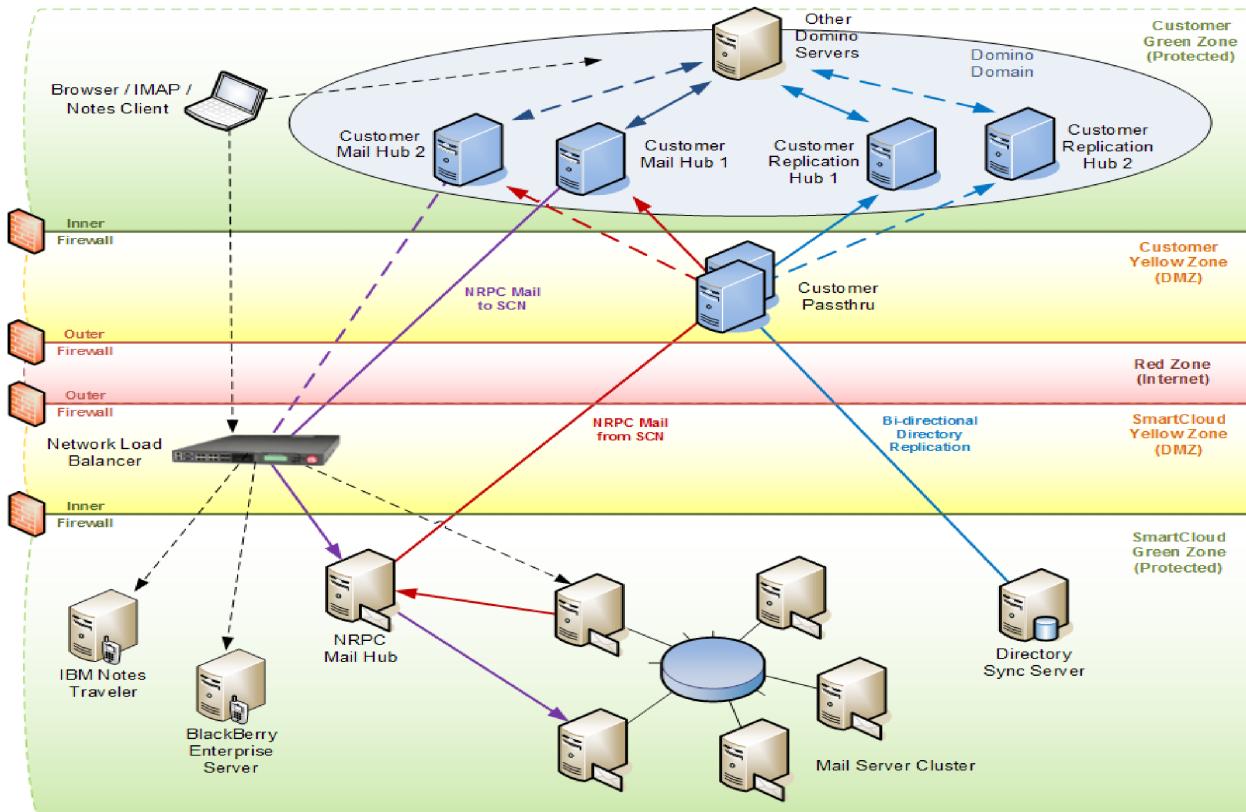
Customer data flow:

- On-premises Domino directory sync occurs with SmartCloud Directory Sync Server replicating with replication hub server via the passthru server
- SmartCloud Notes NRPC mail from service users to on-premises users routed to mail hub via passthru server
- On-premises NRPC mail sent to SmartCloud Notes users routed from on-premises mail (hub) server(s) to the service NRPC mail hub via network load balancers



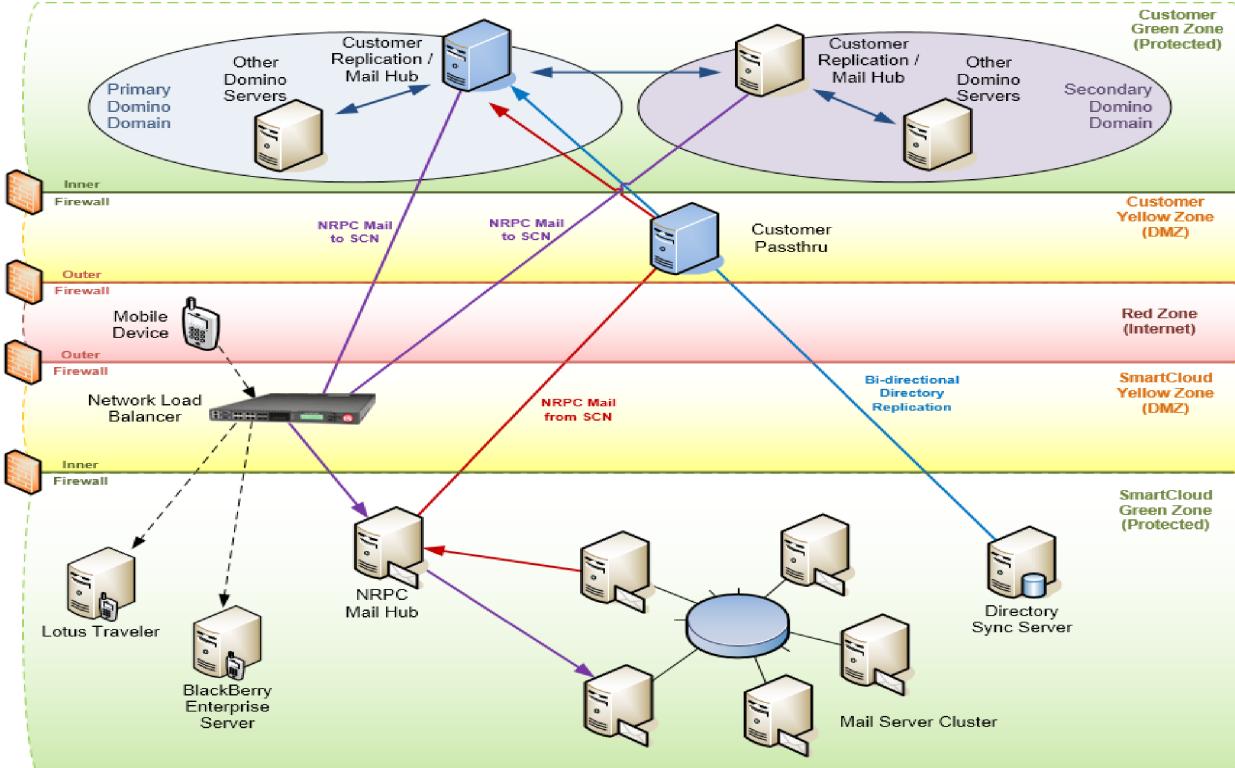
“Hybrid” – High Availability Implementation

- Single Domino domain
- Up to two Domino servers
- acting in passthru roles
- Up to two Domino servers
- performing mail routing
- Up to two Domino servers for directory replication



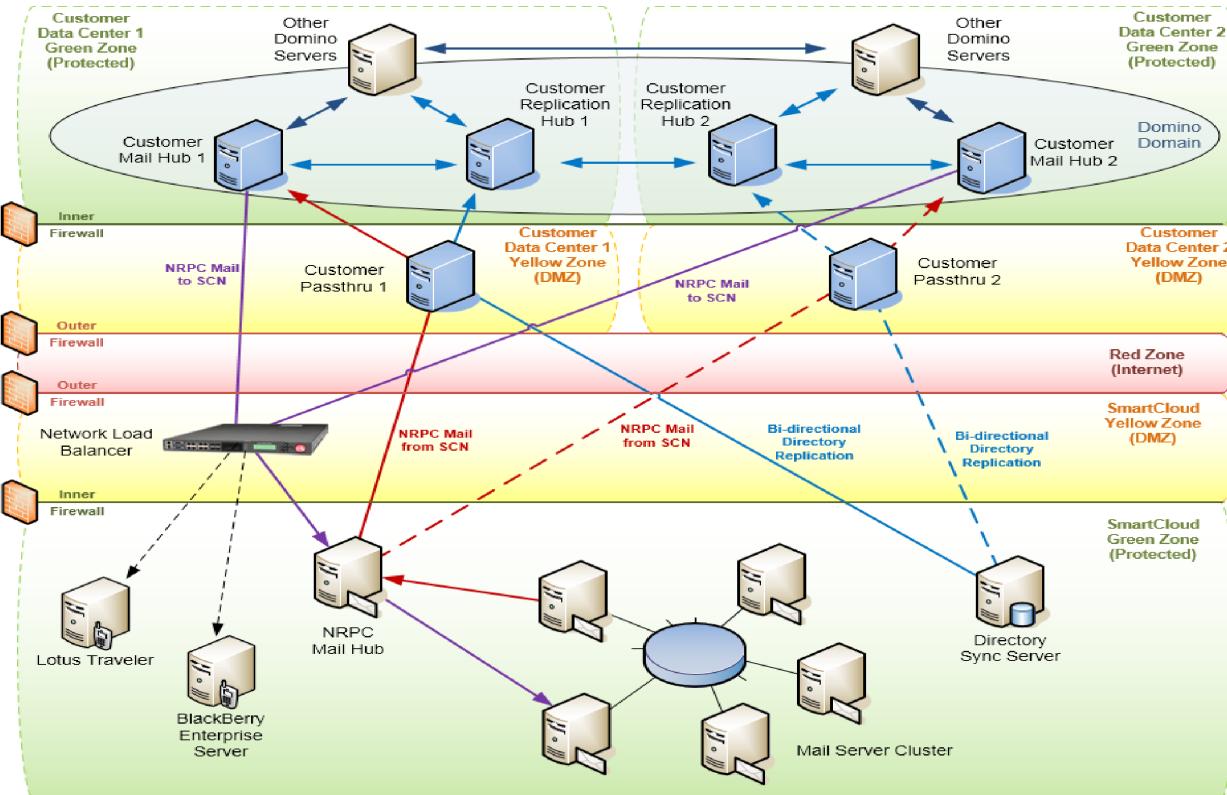
“Hybrid” – Multiple Domain Architecture

- **Multiple** Domino domains
- One domain designated as **primary** through which hybrid connectivity **from** SmartCloud Notes is achieved
- Other domains become subordinates in the context of mail routing, free-time lookup and directory replication
- Directory updates from **downstream** domains are replicated via the directory replication hubs in **primary** domain
- Each domain is responsible to **independently** route mail **directly** to the SmartCloud Notes service.
- **Note:** Once the account is configured for the primary domain the customer creates group / connection documents for each additional domain in their environment.



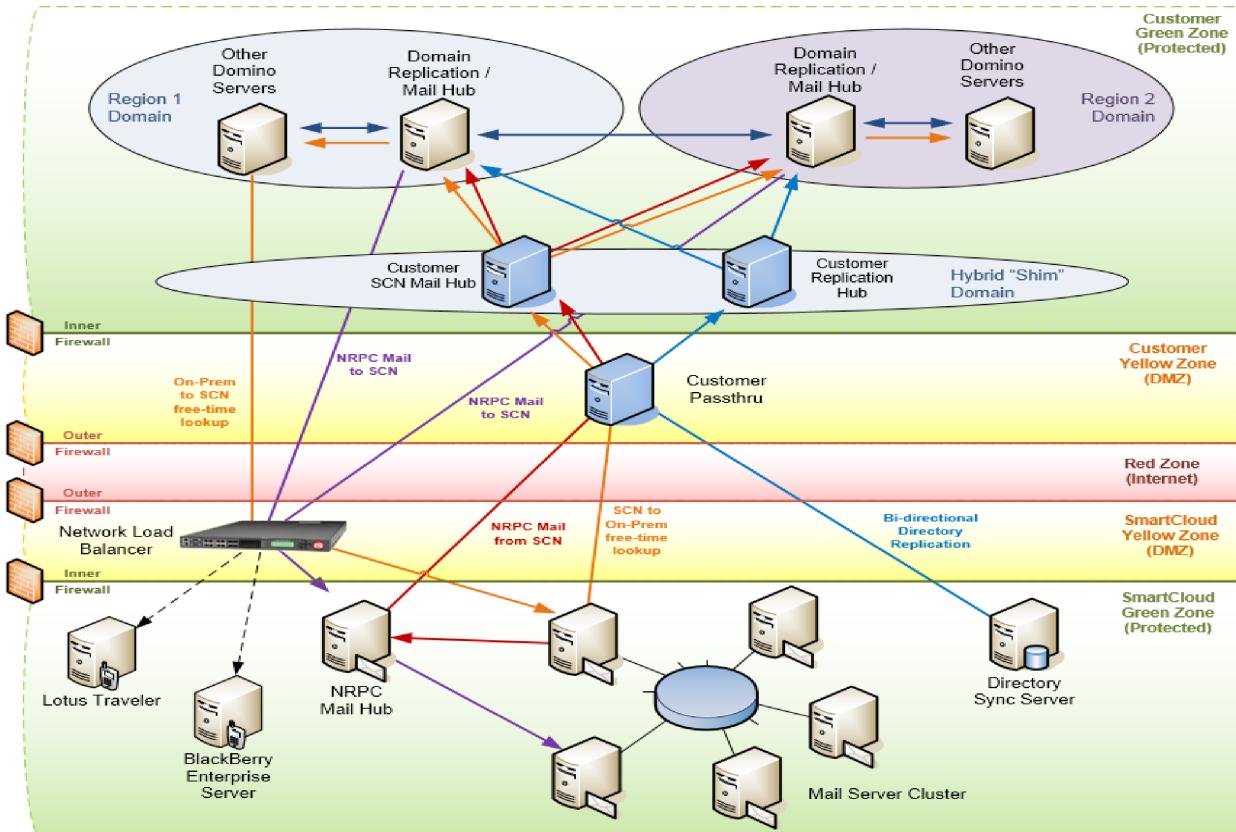
“Hybrid” – Multiple Data Center Implementation

- Single Domino domain
- Pair of customer data centers
- Pair of passthru servers (primary in one data center and secondary in the other data center)
- Separate mail routing and directory replication hub servers in each data center
- Provides for **both** a level of local (within data center) resilience and DR protection in the event of **data center failure**



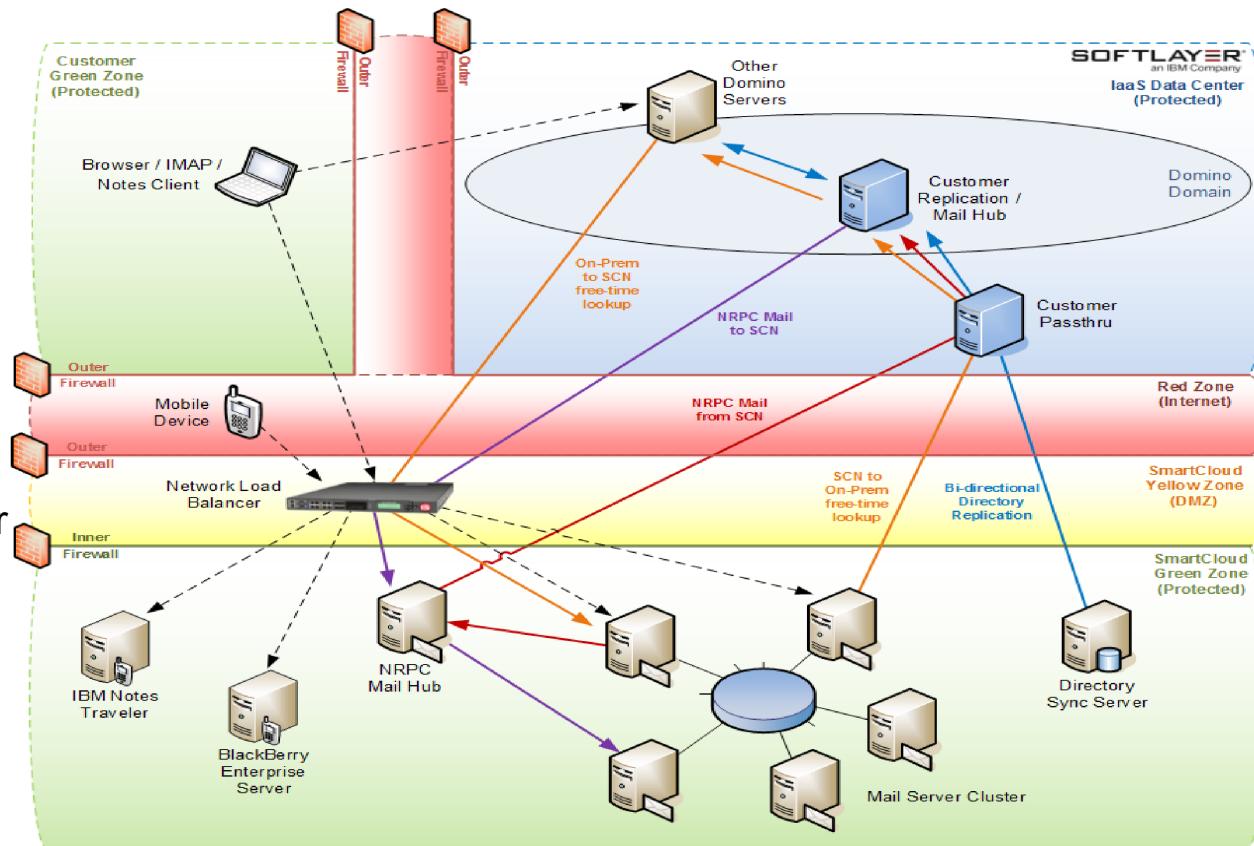
“Hybrid” – ‘Shim’ Domain Between SCN & Existing Domains

- Hybrid “shim” domain inserted **between** SCN and multiple other existing domains
- Existing domains are all **subordinate** (route mail and replicate directory through) the “shim” domain
- Single passthru server (a second could be added for failover)
- Separate mail routing and directory replication hub servers
- **Note:** Once the account is configured for the shim domain the customer creates group / connection documents for each additional domain in their environment.



“Hybrid” – Leveraging Infrastructure-as-a-Service for Domino Applications

- Single Domino domain
- Single passthru server
- Single combined Domino mail routing and directory replication server
- Domino application and “hybrid” integration servers (like passthru) hosted on **IBM SoftLayer** or other IaaS providers
- No Domino servers on customer network
- **Note:** Customer DMZ and optional SoftLayer firewalls not shown



... ab in die Cloud

Trial	Analyse	Pilot	onboarding
Kostenloser Test für Connections Cloud	DoubleCheck HealthCheck	Hybrid setup oder service only Pilot	Finaler hybrid setup
Verse Freemium	OPT	MOM Pilotgruppe	Onboarding via MOM oder OPT / OTT
			Gruppenweises Onboarding

(Grobschema bitte im konkreten Fall mit IBM Business Partner / IBM Technical Sales / ISSC absprechen)

Agenda

- Bluemix Introduction
- IBM Domino XPages Applications on Bluemix
- Social File Sharing Service based on Connections
- Bluemix – IBM's Cloud Platform

Bluemix - Platform as a Service

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an IBM Company

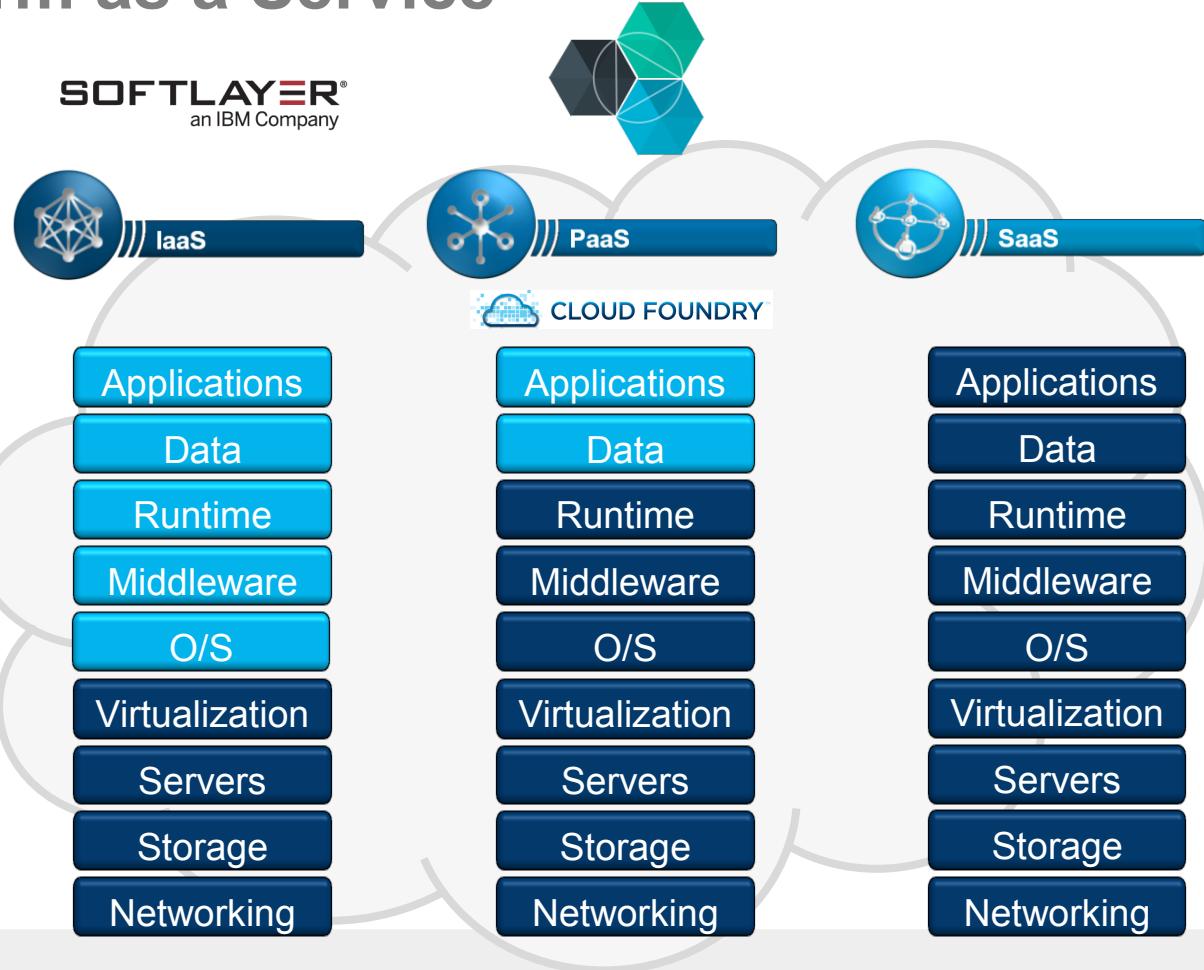
On Premises

* see end of
deck for more
deployment
options

Client managed

Vendor managed

Applications
Data
Runtime
Middleware
O/S
Virtualization
Servers
Storage
Networking



What is Bluemix?

Bluemix is an open-standard, cloud-based platform for building, managing, and running applications of all types (web, mobile, big data, new smart devices, and so on)



Go Live in Seconds

The developer can choose any language runtime or bring their own. Zero to production in one command.

APIs and Services

A catalog of IBM, third party, and open source API services allow the developer to stitch an application together in minutes.

On-Prem Integration

Build hybrid environments. Connect to on-premises assets plus other public and private clouds.

DevOps

Development, monitoring, deployment, and logging tools allow the developer to run the entire application.

Layered Security

IBM secures the platform and infrastructure and provides you with the tools to secure your apps.

Flexible Pricing

Try services for free and pay only for what you use. Pay as you go and subscription models offer choice and flexibility.

What Benefits does Bluemix provide?

Hosting of applications in the cloud (obviously)



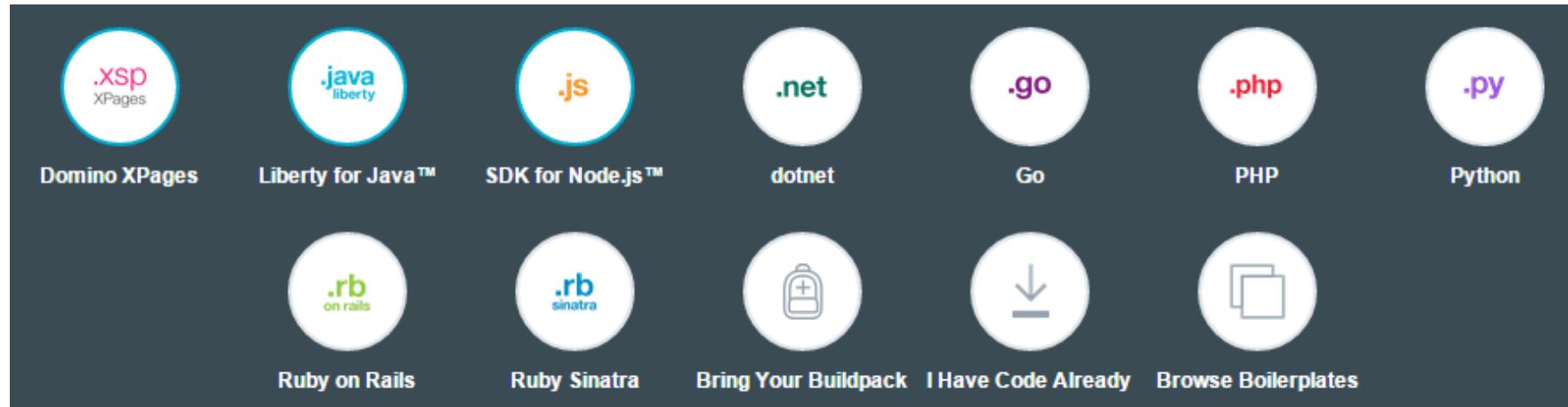
What Benefits does Bluemix provide?

Developers can focus on what they like to do most – coding



What Benefits does Bluemix provide?

Choices of runtimes



What Benefits does Bluemix provide?

Services, lots of services
Web and application
Mobile
Data management
Watson
Analytics
Internet of things
Security
Integration



What other Benefits does Bluemix provide?



DevOps for the entire application lifecycle



Integration of on-premises applications



Flexible pricing

What Benefits does Bluemix provide?

Auto Scalability



Policy Configuration Metric Statistics Scaling History

[◀ Back](#) | [Edit Auto Scaling Policy](#)

The name of the policy:

The minimum number of application instances:

The maximum number of application instances:

Scaling Rule(s)

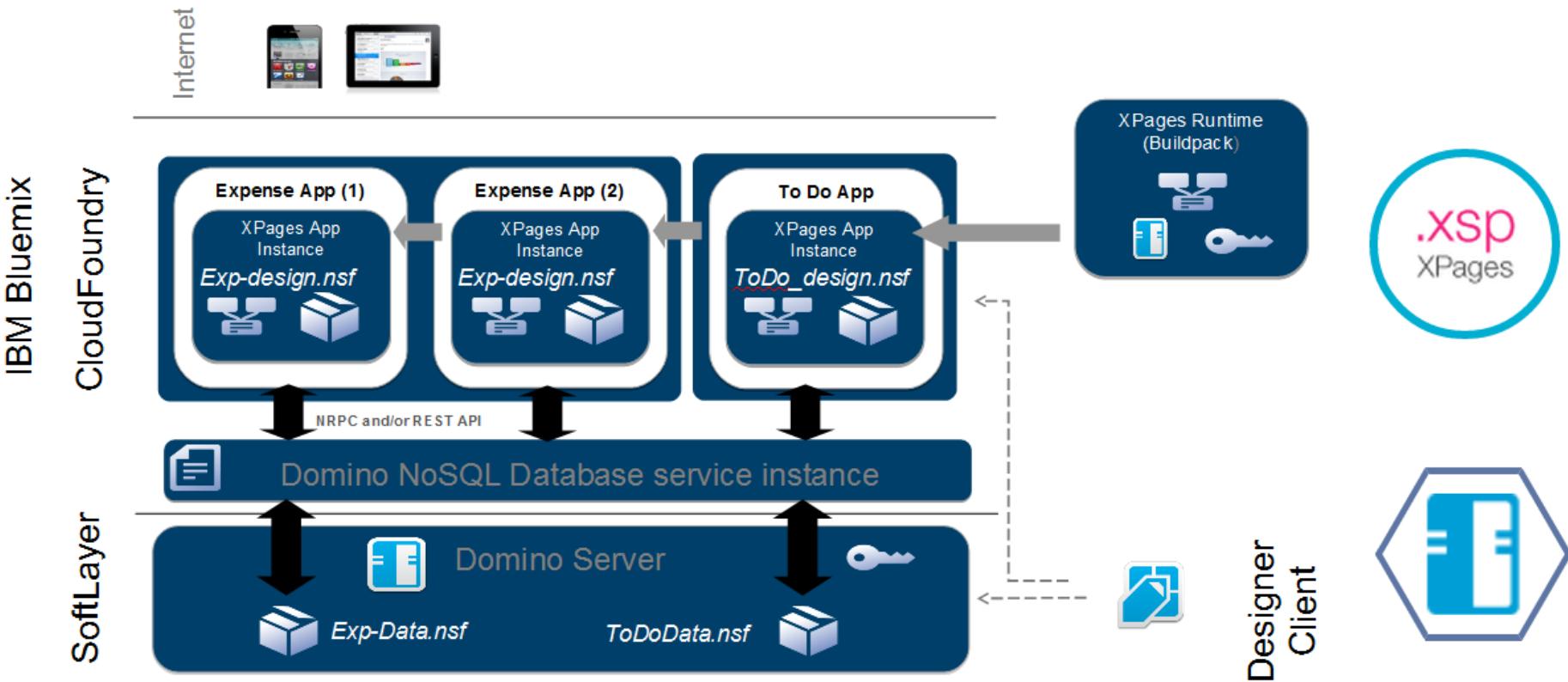
▼ Rule 1
Add 1 instance if Memory Average exceeds 80% for 120 seconds.
Remove 1 instance if Memory Average is below 30% for 120 seconds

Metric Type:

Scale Out: If average Memory utilization exceeds %, then increase instance(s).

Scale In: If average Memory utilization is below %, then decrease instance(s).

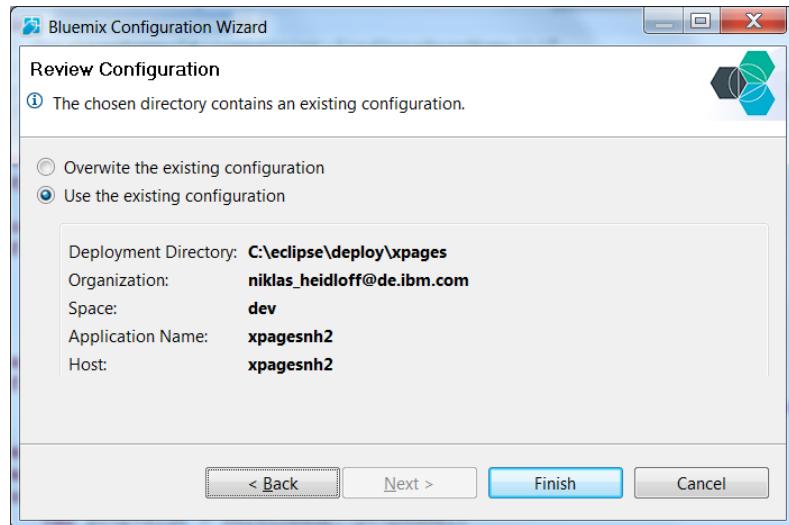
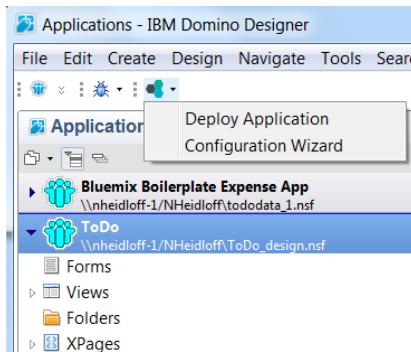
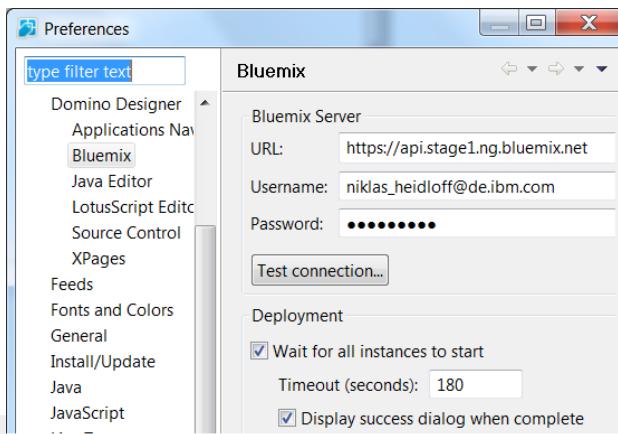
Domino XPages Runtime and Domino Data Service



Domino XPages Runtime



- Design NSFs contain only code, no data
- Design NSFs are deployed onto Bluemix and multiple application instances can be run
- Deployment can be done via a new plugin for Domino Designer





Domino XPages Runtime

- From design NSF's Bluemix services can be accessed via REST APIs or client libraries
- Data NSF's can be accessed via a new utility method "findDataBaseName"

```
<xe:this.data>
  <xp:dominoView var="view1" viewName="todosView"
    databaseName="#{javascript:findDataBaseName() }">
  </xp:dominoView>
</xe:this.data>

function findDataBaseName() {
  // databaseName="#{javascript:findDataBaseName() }"
  // when running in bluemix:
  //   databaseName="169.53.5.247!!bluemix/83ea4d0a-8e3e-4e2e-aa81-d21e75dd2738/tododata_1.nsf"
  // when testing locally:
  //   databaseName="tododata_1.nsf"
```

Domino Data Service



- Data NSF's store only data and views
- Data NSF's can be accessed via REST APIs or via XPages data sources
- Each Bluemix developer gets his/her own data service instance provisioned including a Notes id to access the service

Domino Data Service for Bluemix

Domino Data Service Dashboard

Instructions Text: Outline the basic steps here that the user needs to take to download the id, login to Designer, connect to the data store and setup forms/views. See the [Documentation](#) for more detailed instructions.

User Details	
ID Download	bf6df5ba-1ef3-4ee5-bbfd-fe6c792dc9b1.id
Domino User Name	bf6df5ba-1ef3-4ee5-bbfd-fe6c792dc9b1
Password	NAjr2TAY
Domino Folder	bluemix/2ed98ab5-b6ee-4152-9456-5fc023b9bef8
Domino Host Name	9.39.221.87

XPages Boilerplate



Domino XPages Starter Application

IBM

This sample application demonstrates how to use a Domino XPages application connected to a Domino Data service.

VERSION
0.0

TYPE
Boilerplate



Develop and deploy Domino XPages applications in the cloud.

[VIEW DOCS](#)

Plan	Features	Price
✓ Default	Run one or more apps free for 30 days (375 GB-hours free, shared across Bring Your Buildpack and Community runtimes).	\$0.07 USD/GB-Hour

 This is a service plan for the IBM Bluemix Platform runtime.

[TERMS](#)

Create an app:

Space: dev

Name: Enter new app name

Host: Enter host

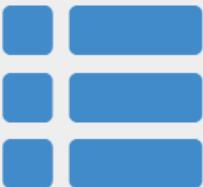
Domain: stage1.mybluemix.net

Selected Plans:

Domino XPages: Default

Domino Data: Free

[CREATE](#)

[Home](#)[To-Dos](#)[Complete](#)[Urgent](#)[Overdue](#)To-Do **0**Completed **4**Urgent **0**Overdue **0**

To-Do		Priority	Due	↑
<input type="checkbox"/>	✓ Book ConnectED Hotel	High	Jan 23, 2015	▼
<input type="checkbox"/>	✓ Prepare ConnectED presentation	High	Jan 1, 2015	▼
<input type="checkbox"/>	✓ Make ConnectED Air Reservations	Low	Feb 16, 2015	▼
<input type="checkbox"/>	✓ Demo to Slovenian Police	High	Feb 16, 2015	▼

[New To-Do](#)[Delete](#)[Mark Complete](#)[Mark Incomplete](#)

Team Expenses My Expenses 3 Tasks[Create](#) [Delete](#)[Select...](#)[Filter](#)

Title

Submitter

Amount

Status

<input type="checkbox"/> Paris Customer Enablement	Ron Segal	\$1200.00	Submitted	
<input type="checkbox"/> Dinner w/client	Larry Moriarty	\$265.00	Approved	
<input type="checkbox"/> Belfast Workshop	Larry Moriarty	\$3000.00	Rejected	
<input type="checkbox"/> Boston BP/DP XPages Preview	Ron Segal	\$3050.00	Rejected	
<input type="checkbox"/> Norway Workshop	Ron Segal	\$2555.00	Submitted	
<input type="checkbox"/> Paris Customer Enablement	Larry Moriarty	\$1200.00	Approved	
<input type="checkbox"/> Finland Workshop	Ron Segal	\$2550.00	Approved	
<input type="checkbox"/> Japanese Workshop	Larry Moriarty	\$2550.00	Approved	

[«](#) [1](#) [2](#) [3](#) [4](#) [...»](#) [»](#)

Usage of the a Watson Service in XPages

IBM Watson and XPages Question and Answer



This XPages example application running on Bluemix uses Watson's Question and Answer (QA) service. The Watson QA service interprets and answers user questions directly based on primary data sources (brochures, web pages, manuals, records, etc.) that have been selected and gathered into a body of data or 'corpus'. The service returns candidate responses with associated confidence levels and links to supporting evidence. The current corpora that are available in Bluemix focus on the Travel and Healthcare industries.

- Healthcare
- Travel

Question :

What can I take against headache?



Usage of the SQL Service in XPages

Shopping

SQL DB



SQL Database Service and XPages Runtime

Milk



Eggs



Bread

A text input field with a light gray background and a white border.**Add**

Access to Domino Directory for Authentication

- SAML
- LDAP identity bridge
- Third party solutions

Single Sign On-qk

My SAML Enterprise

SAML Enterprise

Configure Identity Source

Step 1 From Identity Provider

The SAML Enterprise Identity Source allows an application to consume user identity information from a SAML Identity Provider.

Enter the URL to initiate a SAML Single Sign-On flow from the Identity Provider:

Step 2 To Identity Provider

The SAML Enterprise Identity Source acts as a SAML Service Provider to obtain identity information.

Download the SAML 2.0 Service Provider metadata file. Give the file to your identity provider to complete the configuration.

Download File

Upload the SAML 2.0 Identity Provider metadata file to enable the SAML Enterprise Identity Source to communicate with the Identity Provider.

Upload File

Download the Identity Bridge from the [IBM Fix Central](#) web site. Login to the site with your IBM ID.

[Click here](#) to view additional information on SAML.

Workload Scheduler Service

- Runs tasks on a scheduled basis
- Similar to the Domino agent manager

The screenshot shows the IBM Workload Automation on Cloud - Application Lab interface. The top navigation bar includes 'MESSAGES' (0), 'PREFERENCES', and an email link 'niklas_heidloff@de.ibm.com'. The main menu has 'PROCESSES STATUS OVERVIEW' and 'PROCESS LIBRARY' tabs, with 'PROCESS LIBRARY' currently selected. The 'BlueMix' process is listed in the library. The 'BlueMix' process details are shown in a table with columns: Name, Status, Triggers, Last Run Result, Last Run Date, and Creation Date. The 'Triggers' tab is selected, showing a list of triggers with columns: Trigger, Details, and Start Date. The 'Agents' section shows a table with columns: Name and Operating System, listing 'BF_CL_OUD' as an 'Other' agent. A 'refresh' icon is next to the agents table.

Name	Status	Triggers	Last Run Result	Last Run Date	Creation Date
BluemixInfo	Enabled	Scheduled	<input checked="" type="checkbox"/> Success...	12/17/14, 4:51...	12/12/14, 9:50...

Trigger	Details	Start Date
Schedule	Daily, every 1 days	12/18/14, 7:00 PM
Schedule	Daily, every 1 days	12/18/14, 8:00 PM
Schedule	Daily, every 1 days	12/18/14, 9:00 PM
Schedule	Daily, every 1 days	12/18/14, 10:00 PM
Schedule	Daily, every 1 days	12/18/14, 11:00 PM
Schedule	Daily, every 1 days	12/19/14, 12:00 AM
Schedule	Daily, every 1 days	12/19/14, 1:00 AM
Schedule	Daily, every 1 days	12/19/14, 2:00 AM
Schedule	Daily, every 1 days	12/19/14, 3:00 AM

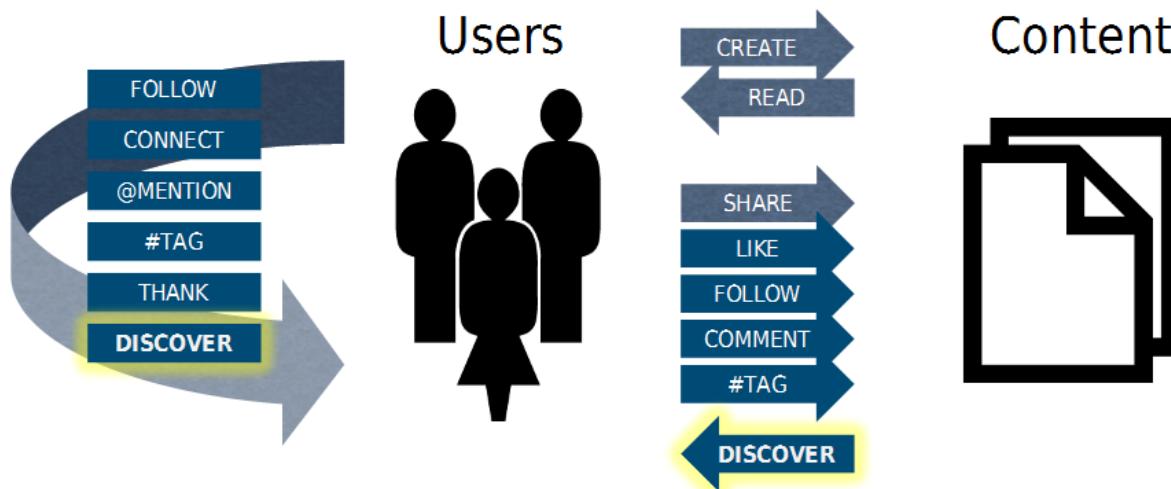
Name	Operating System
BF_CL_OUD	Other

Why should you use XPages on Bluemix?

- To leverage other Bluemix services to build new apps rapidly
- To always have the state of the art XPages runtime at your fingertips
- To scale your apps and obtain true resiliency
- To leverage your XPages skills
- To host your applications easily in the cloud

Social Applications

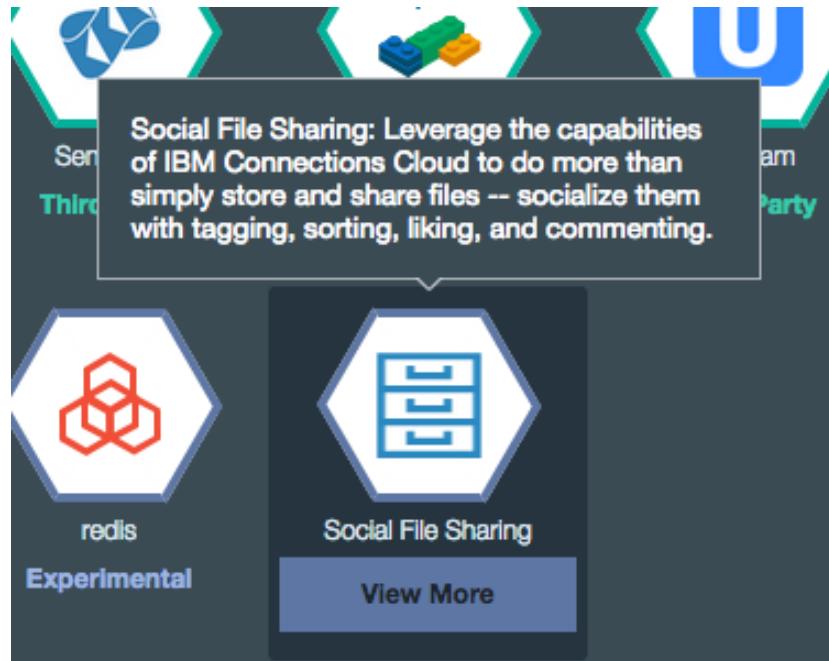
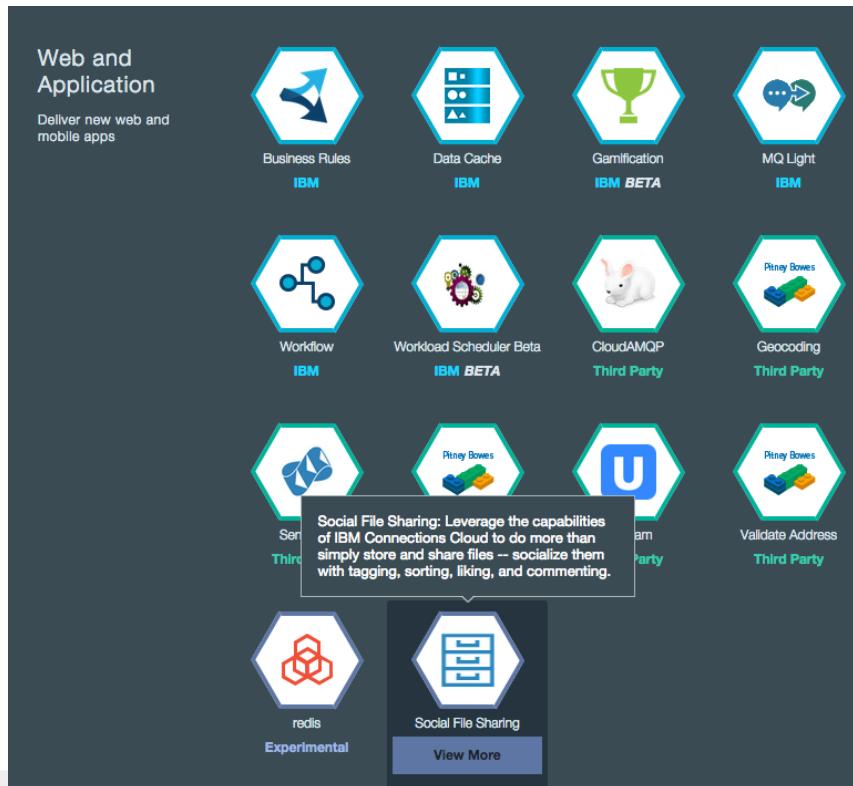
An application is made "social" when user actions on their artifacts can be propagated to other users based on their relationship to the artifacts and/or to the people acting on them enabling for the discovery of artifacts and people which otherwise would not take place



Integration of IBM Connections Cloud with Bluemix

- Based on IBM Connections Cloud: Social File Sharing
- Initially in experimental mode and targeting Java runtimes
 - Uses trial organizations in IBM Connections Cloud
- Value
 - Automatic provisioning and de-provisioning of organization and users
 - Guidance, examples and documentation geared towards development of cloud based social applications

Social File Sharing Service



Social File Sharing Service



Social File Sharing
Experimental

PUBLISH DATE
2/18/2015

TYPE
Service

[VIEW DOCS](#)

 **Warning: Experimental Service**
This experimental service might not be stable. In the future, this service might change in ways that are not compatible with earlier versions. It is not recommended for use in production environments.

Leverage the capabilities of IBM Connections Cloud to do more than simply store and share files -- socialize them with tagging, sorting, liking, and commenting.



Pick a plan

Monthly prices shown are for country or region: [United States](#)

Plan

Features

Price

Trial Organization in IBM Connections Cloud

Free



A trial organization is created for you in IBM Connections Social Cloud and includes user accounts for testing your applications.

[TERMS](#)

Add Service

Space:

BluemixInfo

App:

Select an application

Service name:

Social File Sharing-vo

Selected Plan:

Trial Organization in IBM Connec...

CREATE

Photo Share Sample Application



Alan Goodwin

[Share my photos](#)

Categories

architecture art breakfast building
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chorizos churros city crabs
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Views: 1
Likes: 1
1/21/2015, 9:42:58 AM



Views: 7
Likes: 0
1/19/2015, 2:36:23 PM



Views: 2
Likes: 2
1/19/2015, 2:19:08 PM



Views: 1
Likes: 1
1/19/2015, 2:19:02 PM



Views: 1
Likes: 1
1/19/2015, 2:18:57 PM



Views: 0
Likes: 2
1/19/2015, 2:18:50 PM



Views: 0
Likes: 3
1/19/2015, 2:18:40 PM



Views: 2
Likes: 1
1/19/2015, 2:18:35 PM

Bluemix – IBM's Cloud Platform

Three Deployment Environments

Public

Multi-tenant public cloud rolling out globally.



Dedicated

Bluemix in an isolated SoftLayer private cloud.



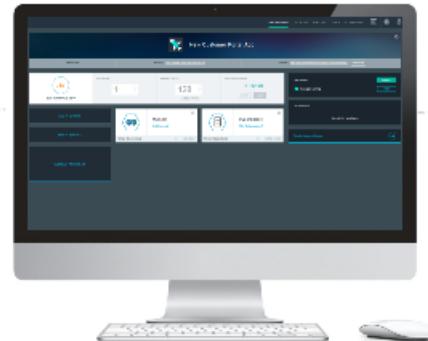
Local

Bluemix delivered as a managed service in your data center.



Syndicated Catalog

The catalog of IBM, 3rd party and private services is syndicated across Bluemix.



Ops Console

A single view of the health and status across apps and infrastructure.

Resources

- IBM Bluemix: bluemix.net
- IBM Bluemix News: bluemix.info
- IBM Bluemix Developers: developer.ibm.com/bluemix
- Samples: github.com/IBM-Bluemix
- Niklas Heidloff Blog: heidloff.net