IBM Software

Connect 2014

January 26-30 Orlando, Florida

ENERGIZING LIFE'S WORK

AD206: Build Apps Rapidly by Leveraging Services from IBM® Collaboration Solutions

Niklas Heidloff, IBM Henning Schmidt, hedersoft





Who we are



- Niklas Heidloff
 - IBM
 - IBM Collaboration Solutions app dev community advocate
 - OpenNTF director and technical committee chair
 - @nheidloff / heidloff.net



- Henning Schmidt
 - Co-founder of hedersoft
 - OpenNTF member, contributor and sponsor
 - XPages enthusiast
 - Dedicated to Social Business
 - @schmhen / schmhen.de



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Performance is based on measurements and projections using standard IBM benchmarks in a controlled environment. The actual throughput or performance that any user will experience will vary depending upon many factors, including considerations such as the amount of multiprogramming in the user's job stream, the I/O configuration, the storage configuration, and the workload processed. Therefore, no assurance can be given that an individual user will achieve results similar to those stated here.

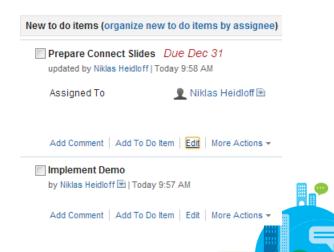


Don't reinvent the Wheel

- How many times have you implemented this?
 - User profiles
 - Files
 - Tasks and updates

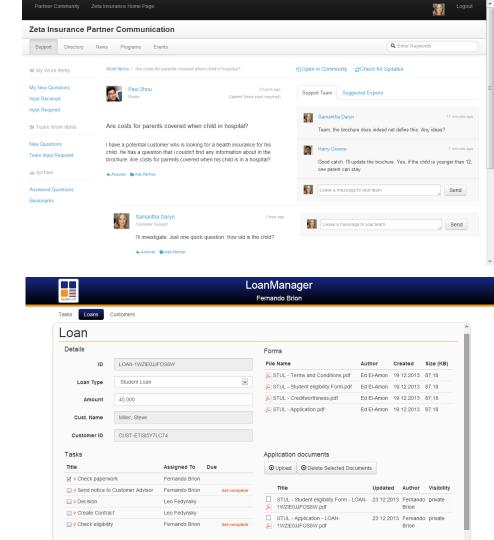






Agenda

- Services from IBM Collaboration Solutions
- Scenarios
 - Partner Community
 - Loan Manager
- Implementation
 - IBM Social Business Toolkit SDK
 - XPages
- Resources and Questions

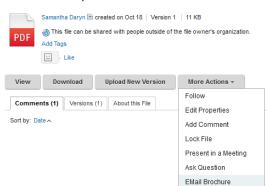


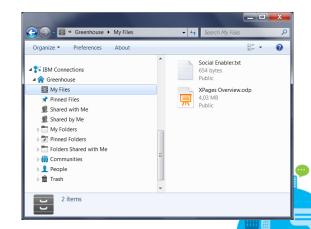
Scenarios: Extensibility and Social Apps

- Extensibility / Inside Out
 - Extend IBM Collaboration Solutions user interfaces to integrate third party apps
 - Via OpenSocial gadgets, iWidgets, SPIs and extension points

- Social Apps / Outside In
 - Utilize the services of IBM Collaboration Solutions as infrastructure for your apps
 - Via the Social Business Tookit SDK

Plan OD35 2014.pdf





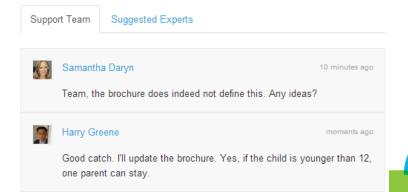
Sample Scenario: Partner Community

- IBM SmartCloud® for Social Business (SC4SB) provides a big set of out of the box functionality, for example:
 - Ability to invite guests
 - Communities with forums, files, file synchronization, etc.



- Apps can be developed to extend the SC4SB functionality to implement specific business requirements, specifically:
 - Workflow functionality
 - Internal discussions

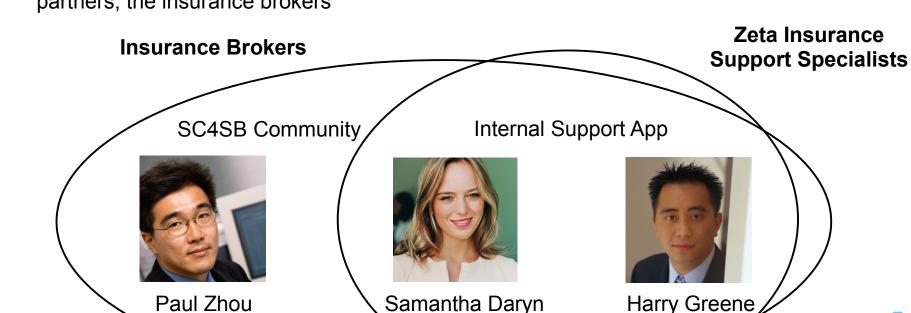




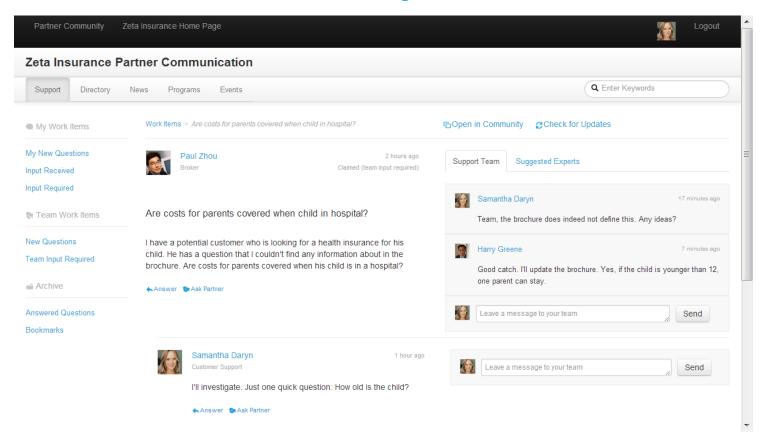


Sample Scenario: Partner Community

 Zeta Insurance is a fictive health insurance company that sells their products through partners, the insurance brokers



Demo: Partner Community



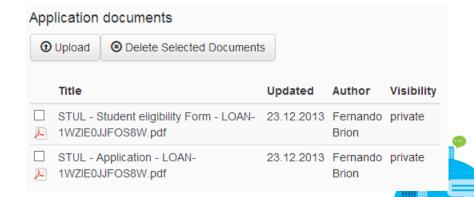


Sample Scenario: Loan Manager

- IBM Connections offers a large set of functionality just like SC4SB
- These functions can be used 'as-is' or consumed as services in order to create new applications

Forms			
File Name	Author	Created	Size (KB)
E STUL - Terms and Conditions.pdf	Ed El-Amon	19.12.2013	87,18
🔑 STUL - Student eligibility Form.pdf	Ed El-Amon	19.12.2013	87,18
F STUL - Creditworthiness.pdf	Ed El-Amon	19.12.2013	87,18
F STUL - Application.pdf	Ed El-Amon	19.12.2013	87,18

Tasks			
Title	Assigned To	Due	
✓ V Check paperwork	Fernando Brion		
	Fernando Brion		Set complete
□ v Decision	Leo Fedynsky		
□ v Create Contract	Leo Fedynsky		
∨ Check eligibility	Fernando Brion		Set complete



Sample Scenario: Loan Manager

- Customer advisors and accountant clerks are closely working together on loan applications
- Customer advisors initiate new loan applications as requested by customers
- Accountant clerks have to check the applications and prepare all paperwork

Customer Advisor



Ed El-Amon

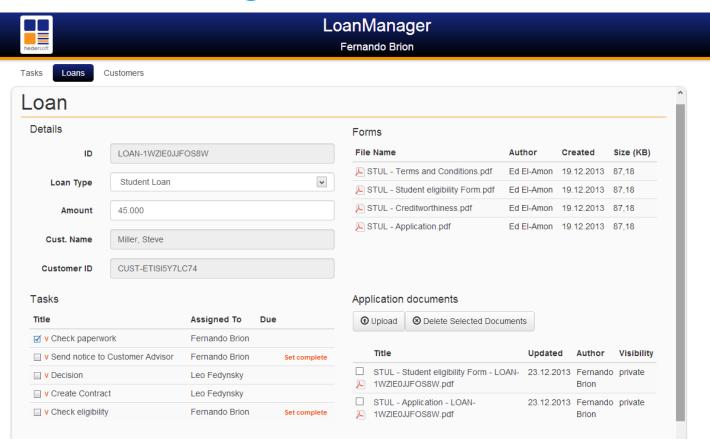
Accountant Clerk



Fernando Brion



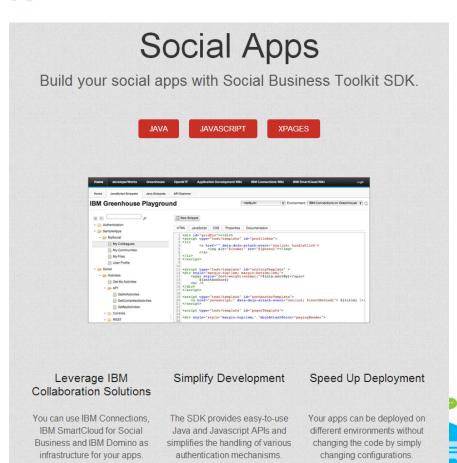
Demo: Loan Manager





IBM Social Business Toolkit SDK

- Build your social apps with the SDK
 - Leverage IBM Collaboration Solutions
 - Simplify Development
 - Speed Up Deployment
- Services
 - Profiles, files, status updates, tasks, forums and much more
- Access to services
 - Java and JavaScript APIs
 - Generic REST calls
 - Reusable UI controls



IBM Social Business Toolkit SDK Components

SDK (open source)







Development community





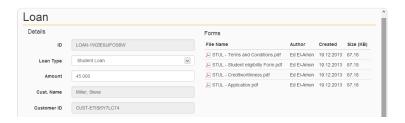
IBM Collaboration QuickStart image

Playground

IBM Greenhouse



Functionality used in Sample Scenarios



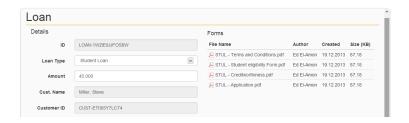
- Loan Manager
 - XPages and SDK
 - IBM Connections
 - App
 - OAuth
 - Services
 - Files
 - Activity streams
 - Activity and to dos



- Partner Community
 - XPages and SDK
 - SC4SB
 - SC4SB user interface and App
 - Basic authentication
 - Service
 - Forums
 - UI controls
 - Community members
 - SC4SB UI extension
 - Embedded experience



Rome wasn't built in a Day, but the Samples were

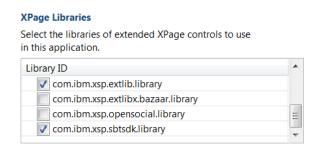


- Loan Manager
 - 2 XPages
 - 18 Custom controls
 - 3 Java classes
 - 3 Views
 - 2 CSS
 - 62 KB (not minified, not compressed)
 - 24 KB (not minified, compressed)

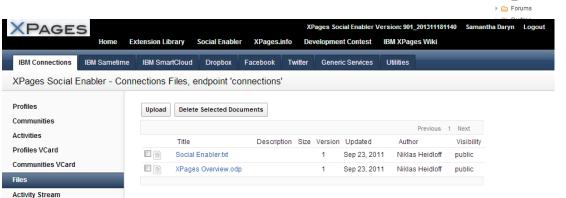


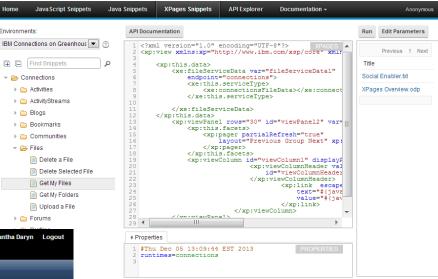
- Partner Community
 - 11 XPages
 - 14 Custom controls
 - 4 Java classes
 - 3 Views
 - 1 CSS
 - 84 KB (not minified, not compressed)
 - 32 KB (not minified, compressed)

Usage of the Social Business Toolkit SDK in XPages



com.ibm.xsp.sbtsdk.library





Playground



XPagesSBT.nsf

Basic Authentication

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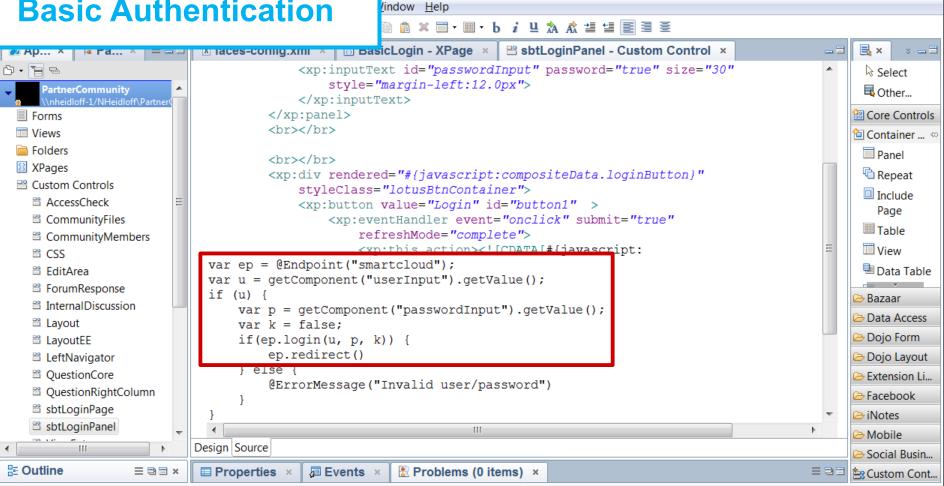
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Basic Authentication

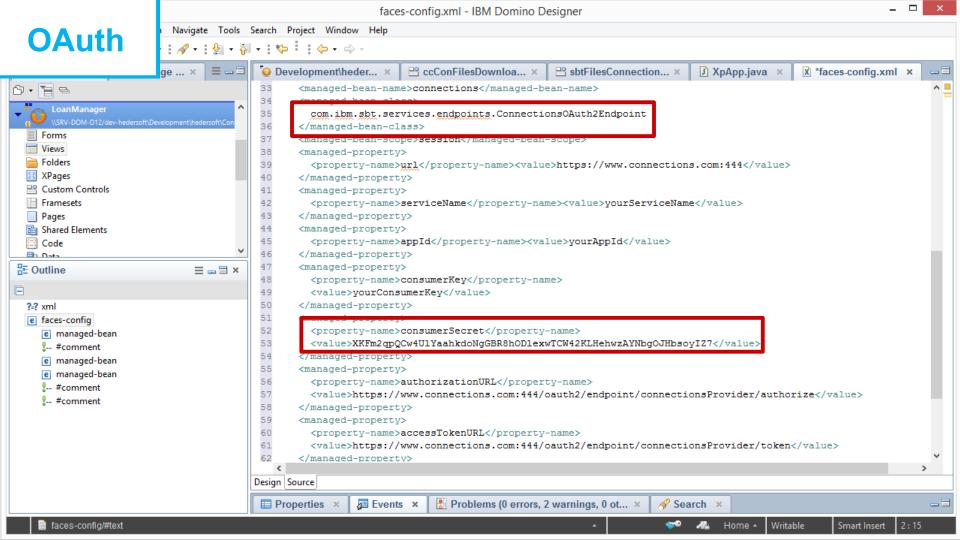


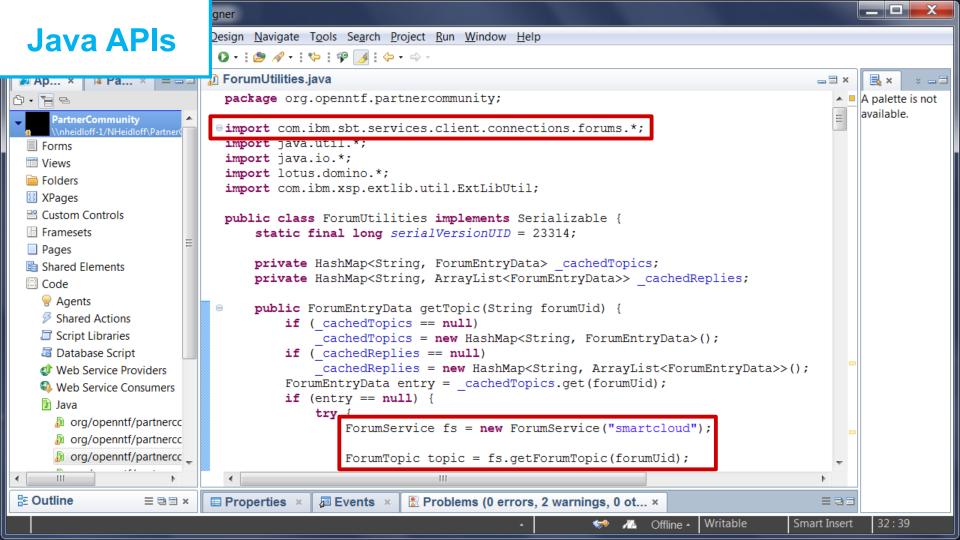
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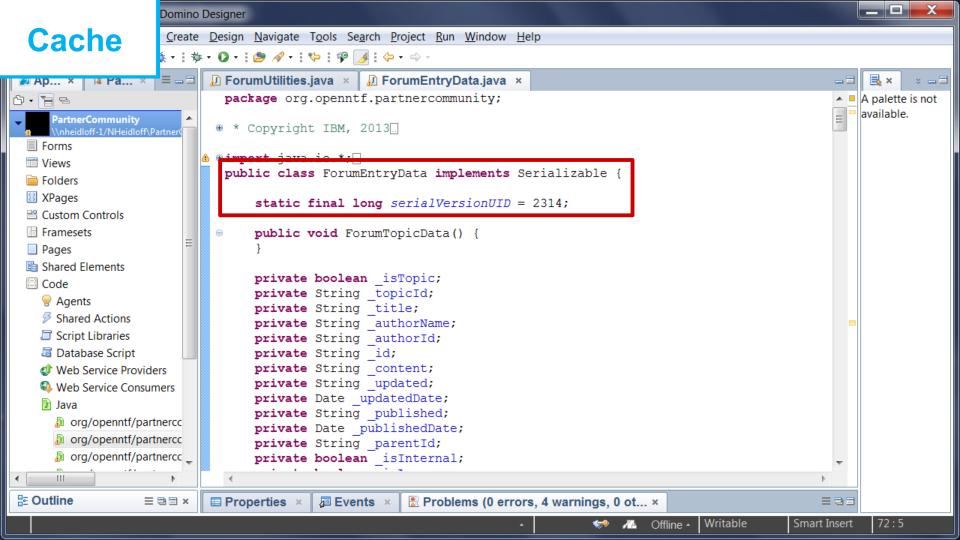
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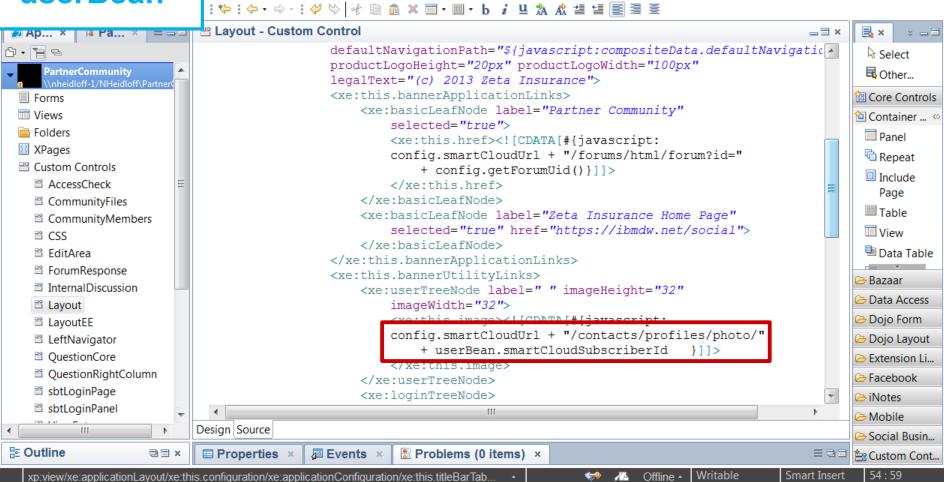
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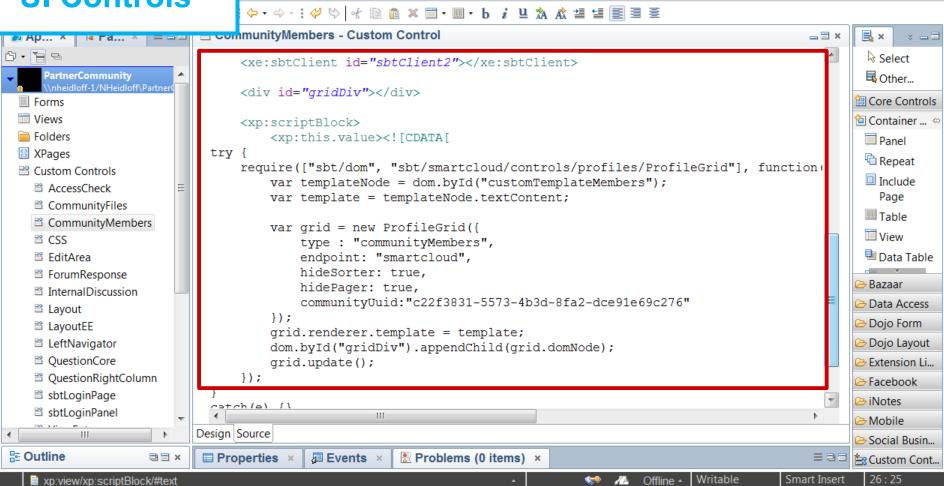
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UI Controls

Domino Designer

Tools Search Project Window Help



xp:view/#text

- Communitymembers - Custom Control

Domino Designer

33:1

Smart Insert

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         <xp:this.value>
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 >
         <a href="https://apps.na.collabservtest.lotus.com/contacts/profiles/view/#{javascript:'${id}'}">
              <img style="margin-bottom: 5px;"</pre>
              src="https://apps.na.collabservtest.lotus.com/contacts/profiles/photo/#{javascript:'${id}'}"></img>
         </a>
         <a rel="bookmark" href="http://apps.na.collabservtest.lotus.com/contacts/profiles/view/#{javascript:'${id}'}">
         #{javascript:'${title}'}</a>
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         </xp:this.attrs>
      </xp:scriptBlock>
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 try {
      require(["sbt/dom", "sbt/smartcloud/controls/profiles/ProfileGrid"], function(dom, ProfileGrid) {
                    +aNada - dam britd/llaya+ammampla+aMambanall\
Design Source
```

SmartCloud UI Extension

My Account Settings

Zeta Insurance
 User Accounts

Organization Account Settings

Announcements

Subscriptions Internal Apps

Order History

Organization Extensions

System Settings

Security

Theme

IBM SmartCloud Notes
Profile Customization

IBM SmartCloud Directory Options

File Download History

Edit Extension for Zeta Insurance

Enable this extension



On selecting the service the extensions points list would be populated with the relevant extension points.



Summary

- Don't reinvent the wheel. Use services provided by IBM Collaboration Solutions
- Use the IBM Social Business Toolkit SDK to access IBM Collaboration Solutions
- XPages = Rapid Application Development
- To get started with the SDK in XPages check out the various open source samples
- Use the 60 days trial of IBM SmartCloud for Social Business and the IBM Collaboration Quick Start image



Resources and Questions

- Home page: http://ibmdw.net/social
- SDK: http://ibmsbt.openntf.org
- GitHub: https://github.com/OpenNTF/SocialSDK
- Webinars: https://www.ibmdw.net/social/events/
- StackOverflow: #ibmsbt
- Twitter: @ibmsbt
- YouTube: http://youtube.com/ibmsbt
- Playground: http://bit.ly/sbtplayground

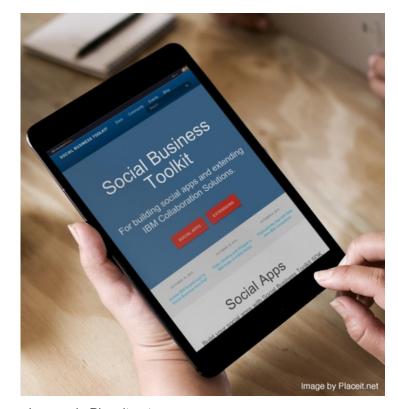


Image via Placeit.net



Partner Community Screenshots

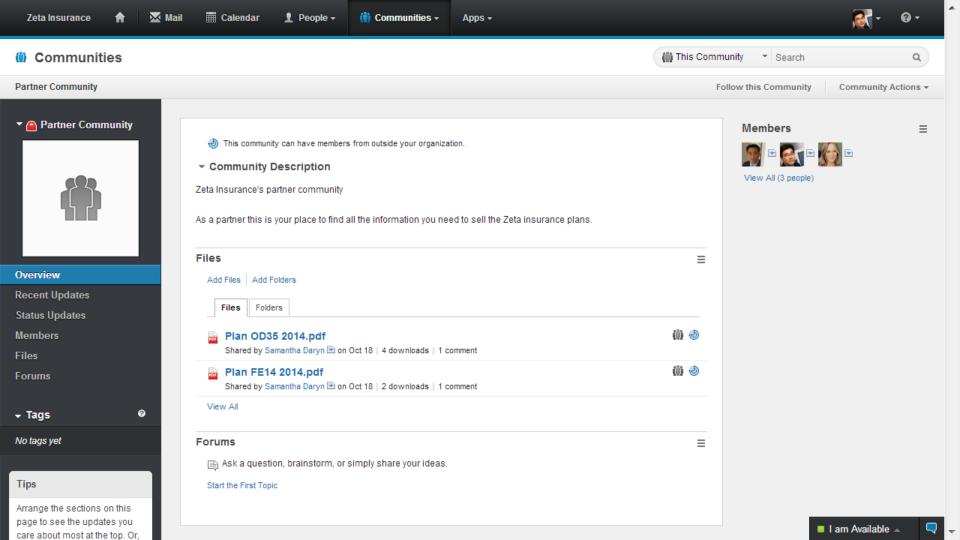
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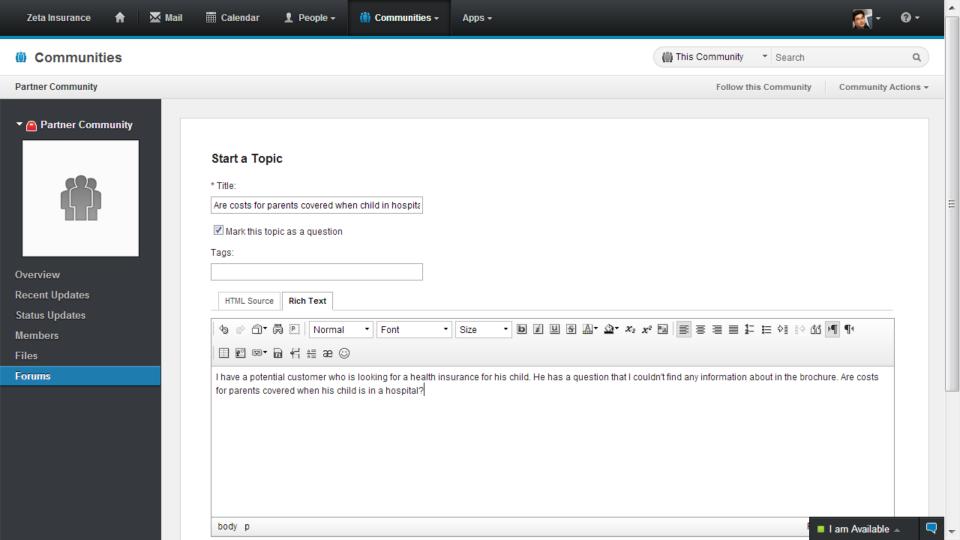
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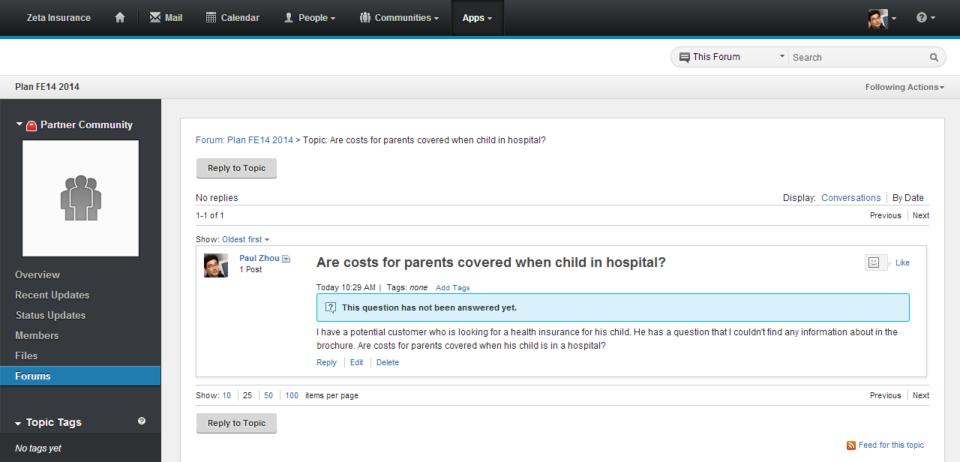
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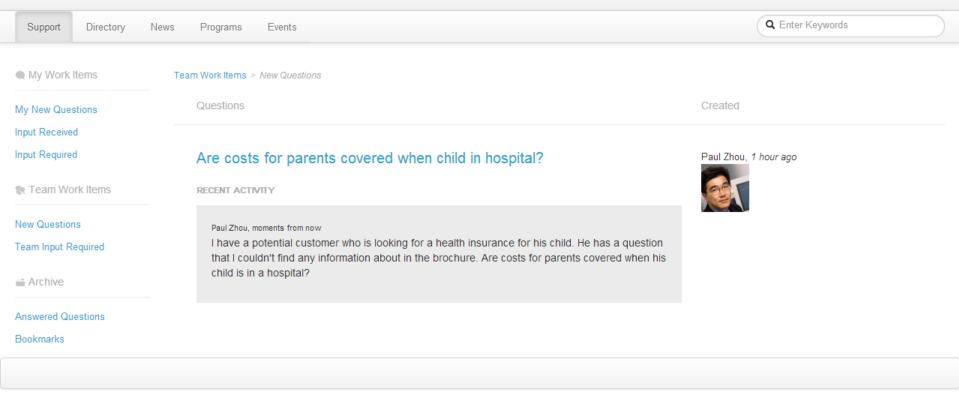




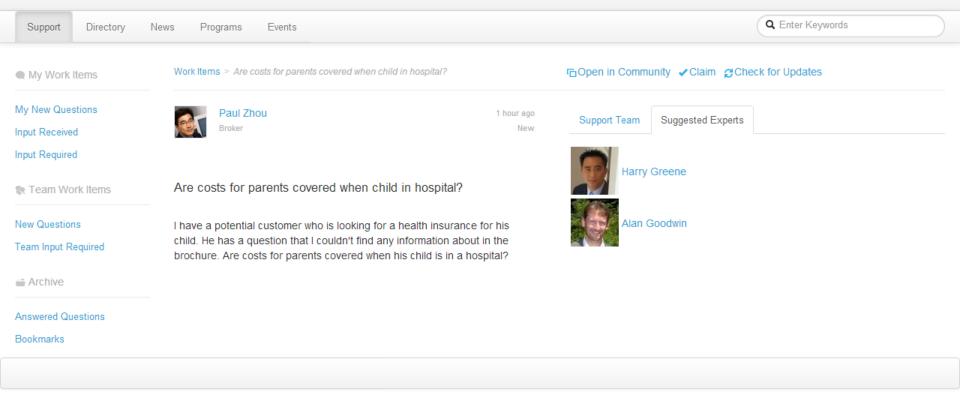




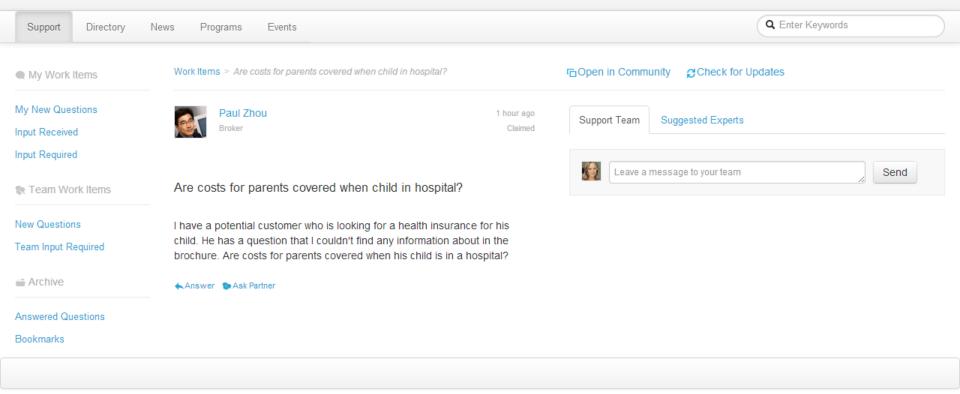
Zeta Insurance Partner Communication



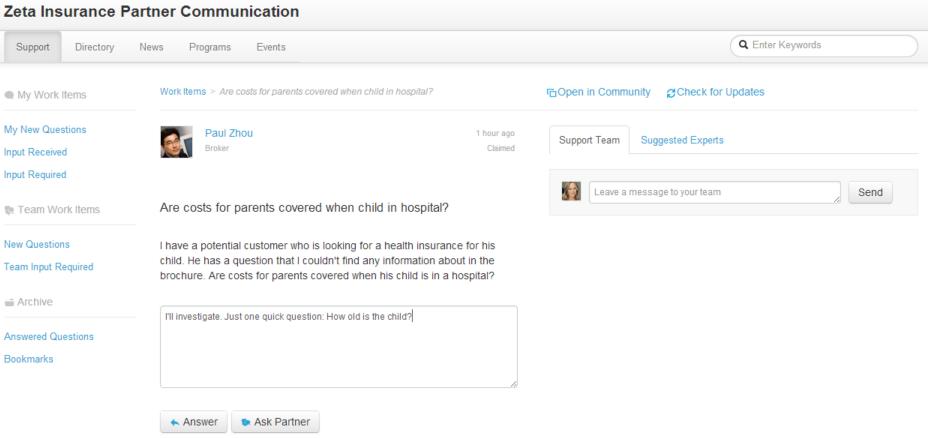
Zeta Insurance Partner Communication



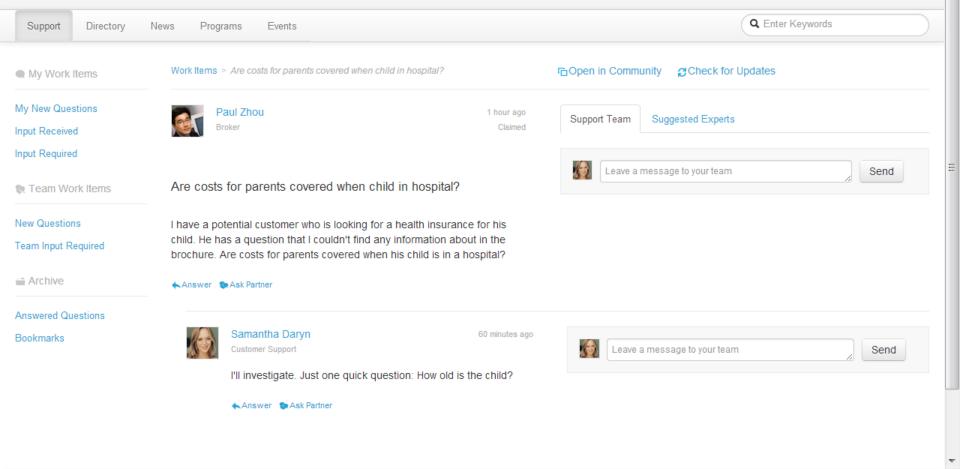
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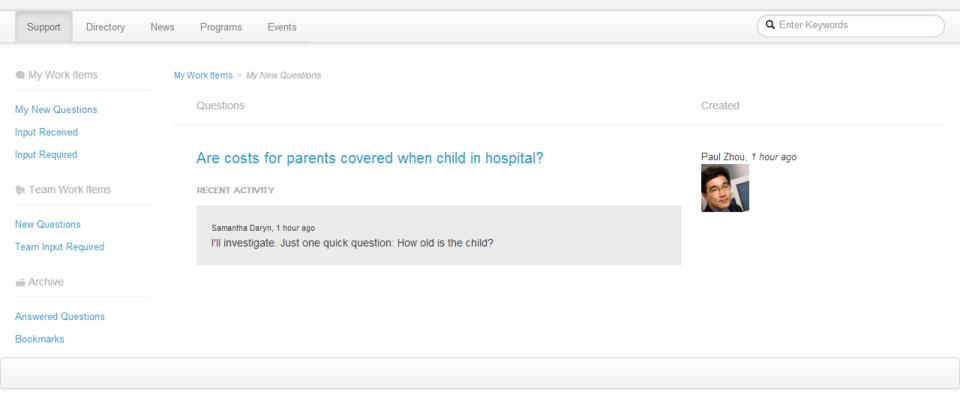


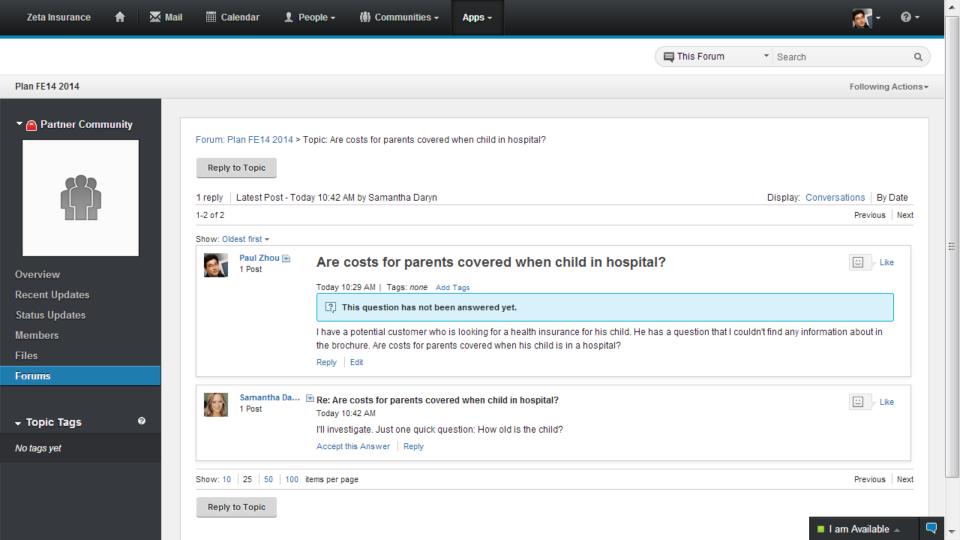
Partner Community

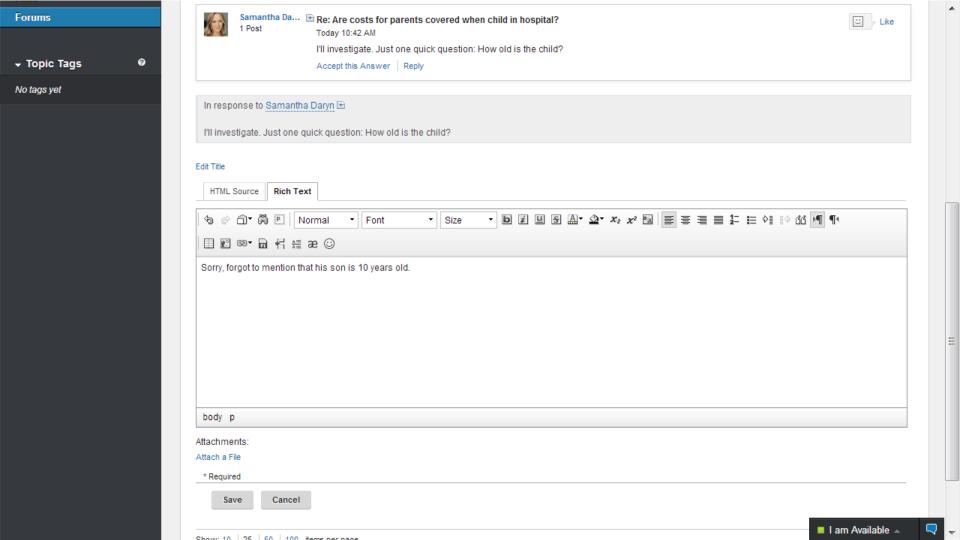


Partner Community











Overview

Recent Updates

Status Updates

Members

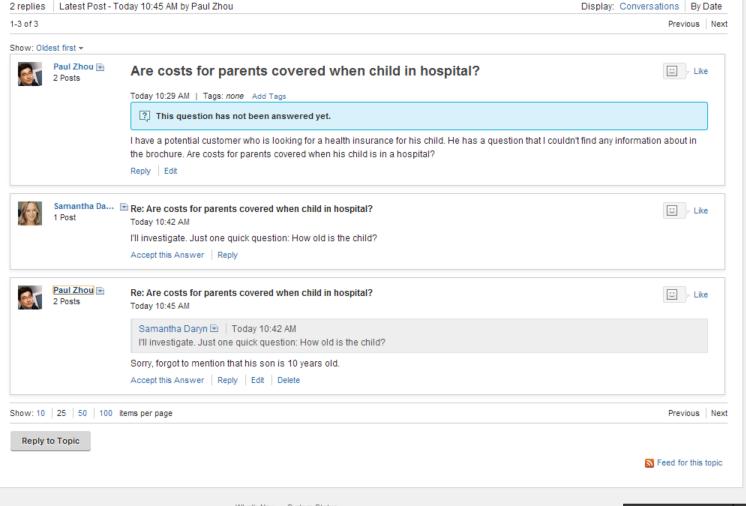
Files

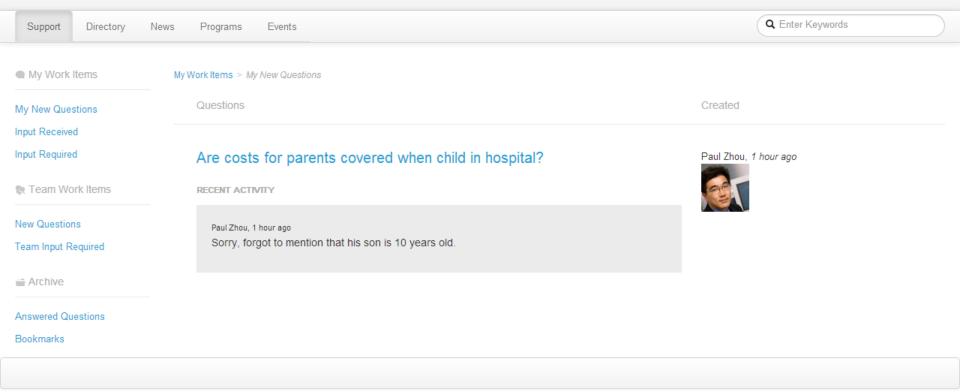
Forums

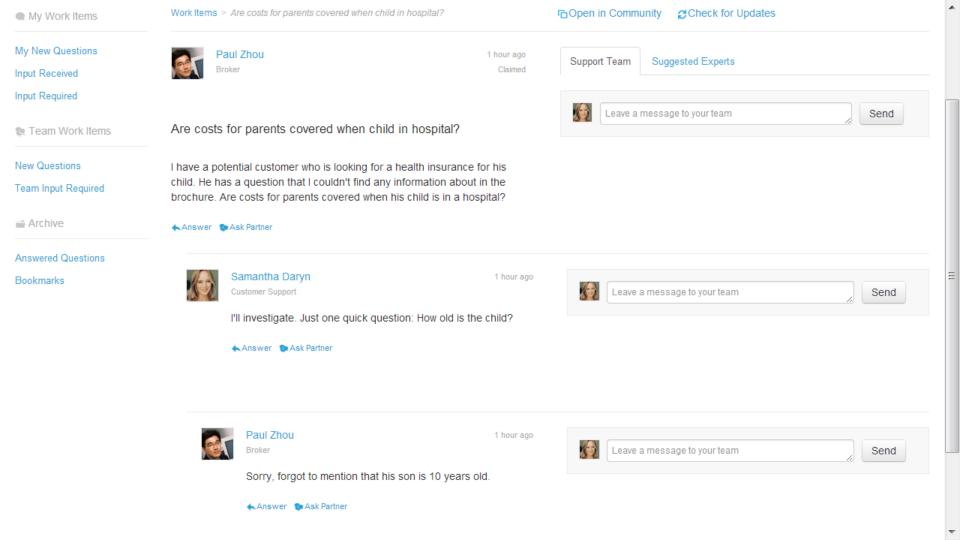
▼ Topic Tags

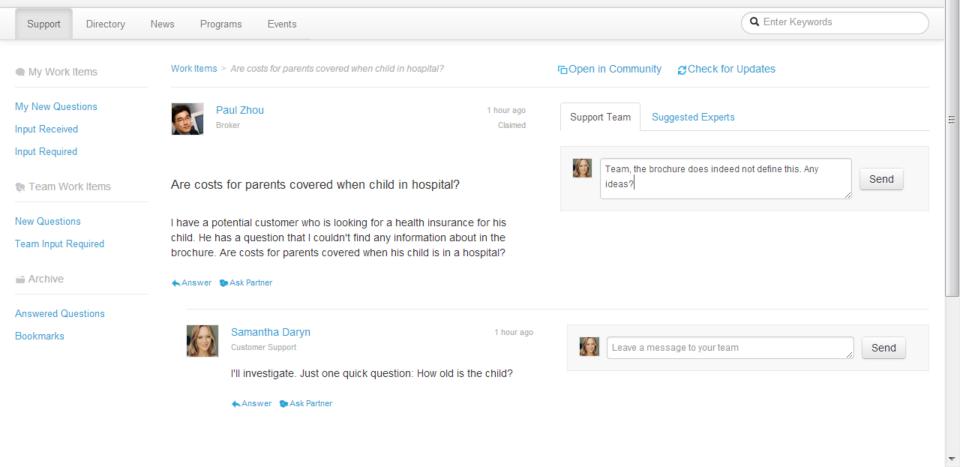
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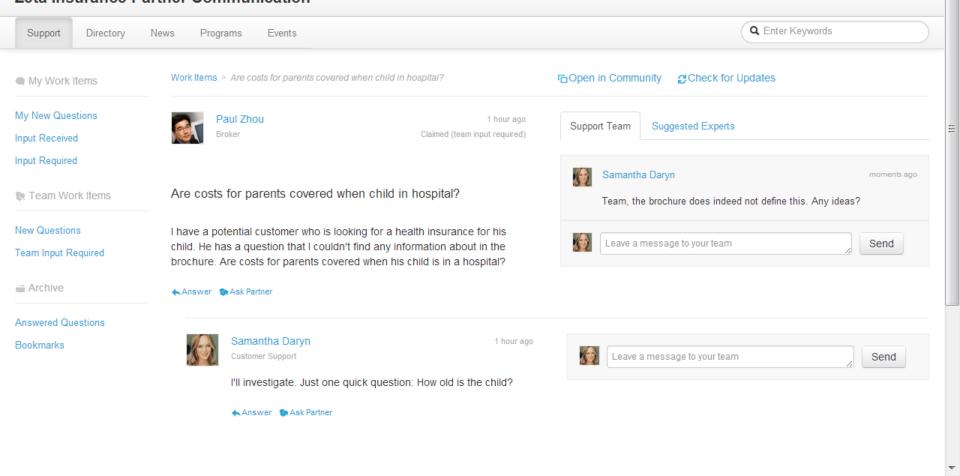
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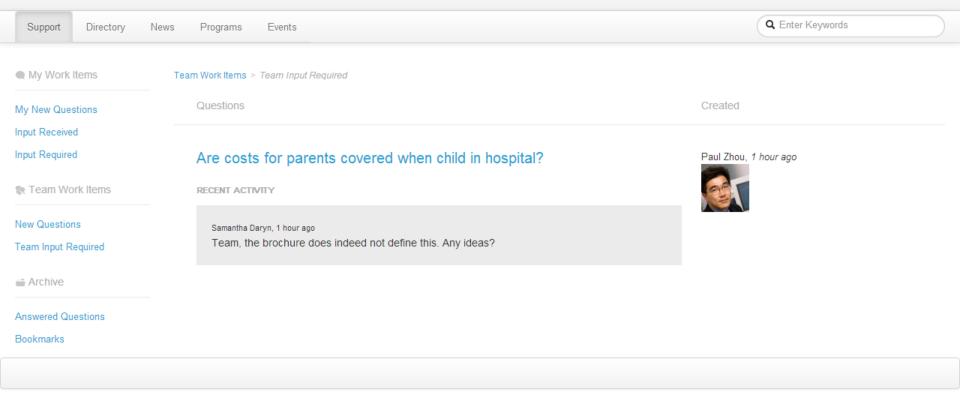






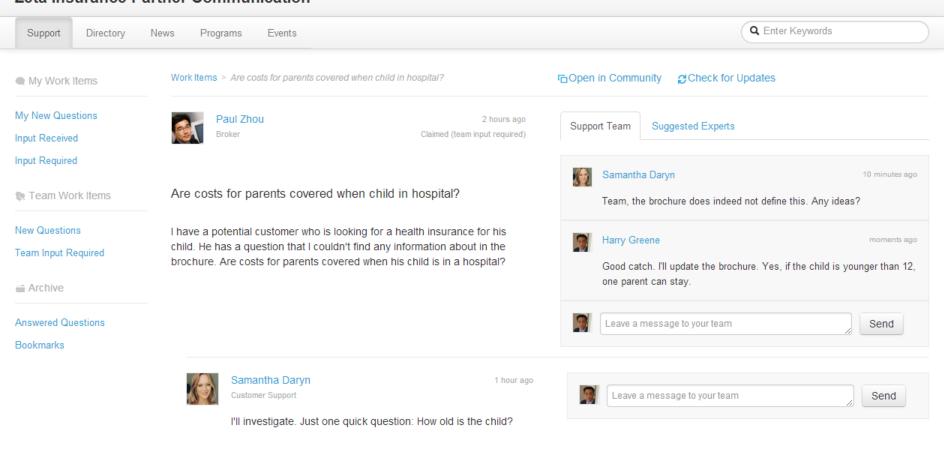


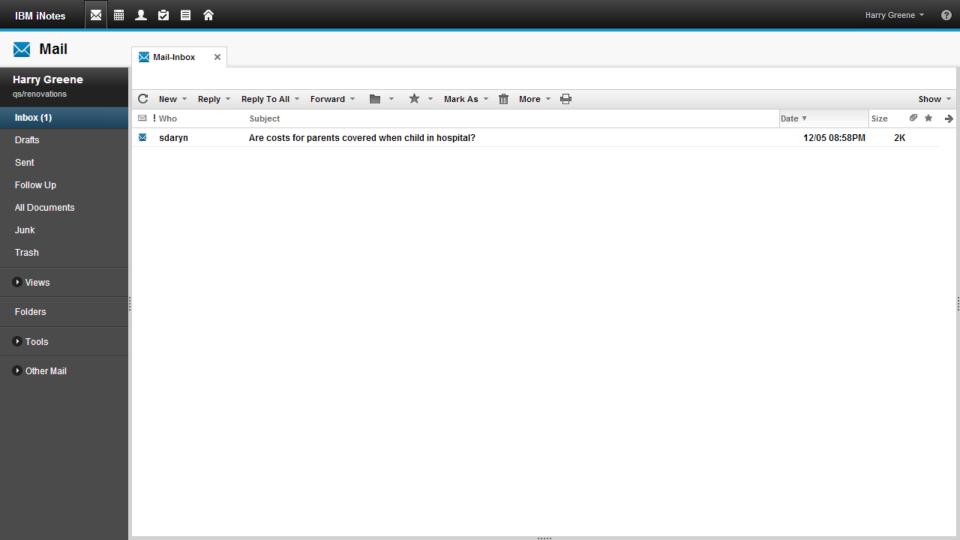


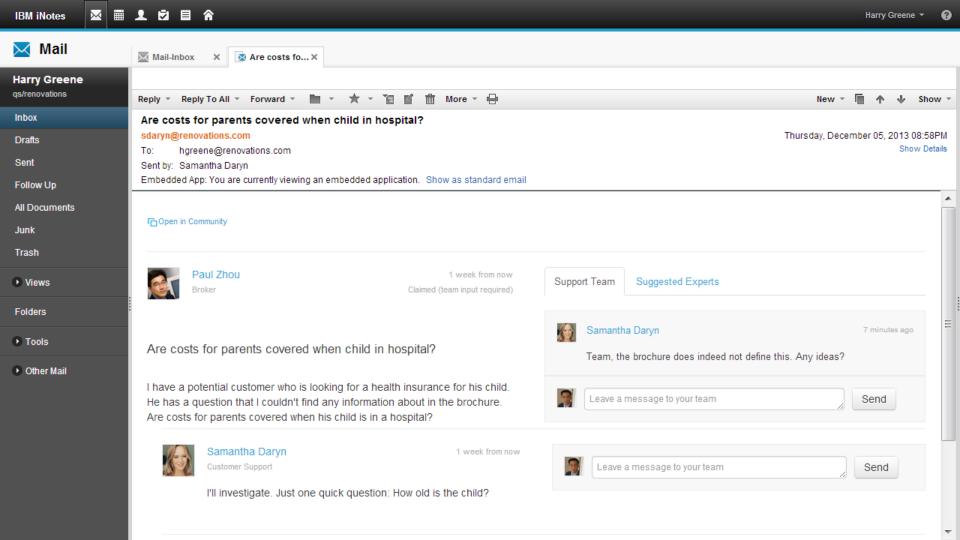


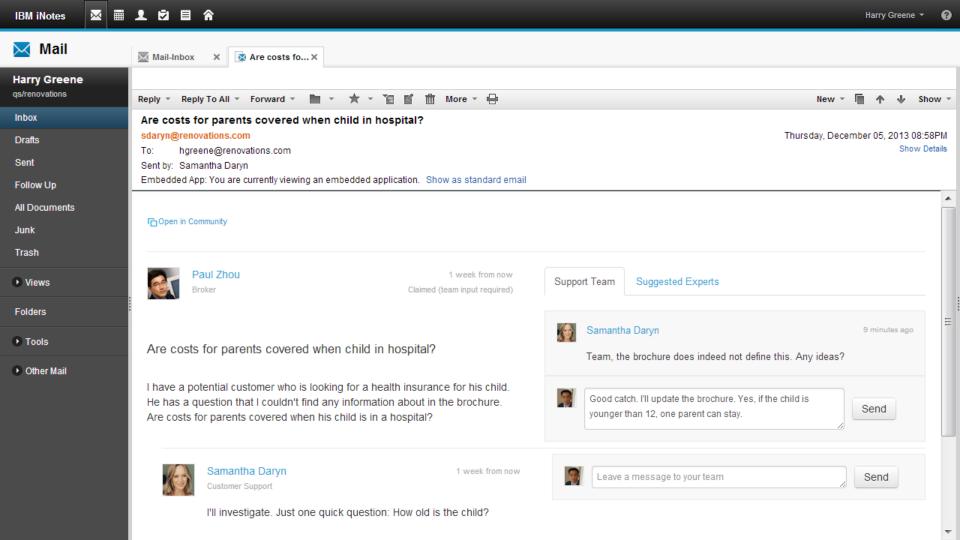
Q Enter Keywords Support Directory News Programs Events Work Items > Are costs for parents covered when child in hospital? ☐Open in Community Check for Updates My Work Items My New Questions Paul Zhou 1 hour ago Support Team Suggested Experts Claimed (team input required) Input Received Input Required Samantha Daryn 6 minutes ago Are costs for parents covered when child in hospital? Team Work Items Team, the brochure does indeed not define this. Any ideas? **New Questions** I have a potential customer who is looking for a health insurance for his Leave a message to your team Send child. He has a question that I couldn't find any information about in the Team Input Required brochure. Are costs for parents covered when his child is in a hospital? Archive Samantha Darvn 1 hour ago Customer Support Leave a message to your team Send Answered Questions I'll investigate. Just one quick question: How old is the child? Bookmarks Paul Zhou 1 hour ago Leave a message to your team Send

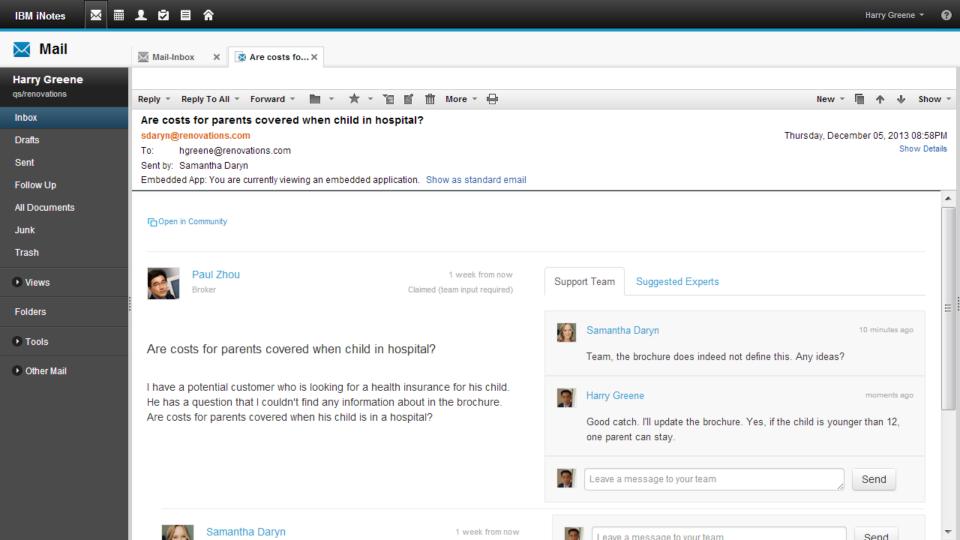
Sorry, forgot to mention that his son is 10 years old.

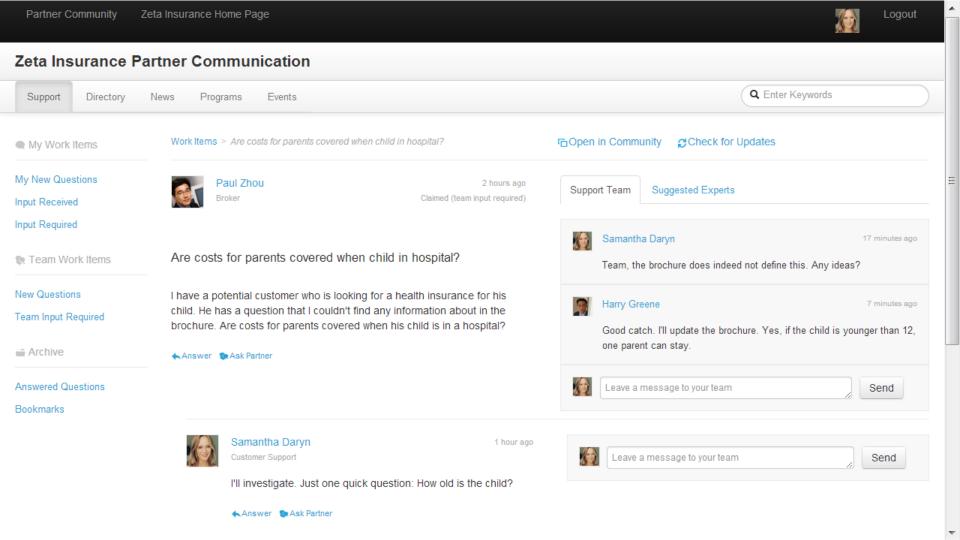












Q Enter Keywords

Zeta Insurance Partner Communication

News

Directory Programs Work Items > Are costs for parents covered when child in hospital? ☐Open in Community Check for Updates My Work Items My New Questions Paul Zhou 2 hours ago Support Team Suggested Experts Claimed (team input required) Input Received Input Required Samantha Daryn 17 minutes ago Are costs for parents covered when child in hospital? Team Work Items Team, the brochure does indeed not define this. Any ideas? **New Questions** I have a potential customer who is looking for a health insurance for his Harry Greene 7 minutes ago child. He has a question that I couldn't find any information about in the Team Input Required brochure. Are costs for parents covered when his child is in a hospital? Good catch. I'll update the brochure. Yes, if the child is younger than 12,

Answered Questions

Bookmarks

Archive

Support

Events

Ask Partner

I have positive news. One parent can stay over night in the hospital if the child is

younger than 12 years. We'll update the brochure soon to clarify this.

Send

one parent can stay.

Leave a message to your team

Answer

Partner Community

My New Questions

Team Input Required

Archive

Input Received Input Required

Q Enter Keywords Directory News Programs Events Support

Work Items > Are costs for parents covered when child in hospital? My Work Items

Paul Zhou

Are costs for parents covered when child in hospital?

Team Work Items

New Questions I have a potential customer who is looking for a health insurance for his

child. He has a question that I couldn't find any information about in the brochure. Are costs for parents covered when his child is in a hospital?

Answered Questions

Bookmarks

Samantha Daryn Customer Support

I have positive news. One parent can stay over night in the hospital if the child is younger than 12 years. We'll update the brochure soon to clarify this.

Check for Updates

Support Team Suggested Experts



2 hours ago

Answered

60 minutes ago

Samantha Daryn

☐Open in Community

Harry Greene

one parent can stay.

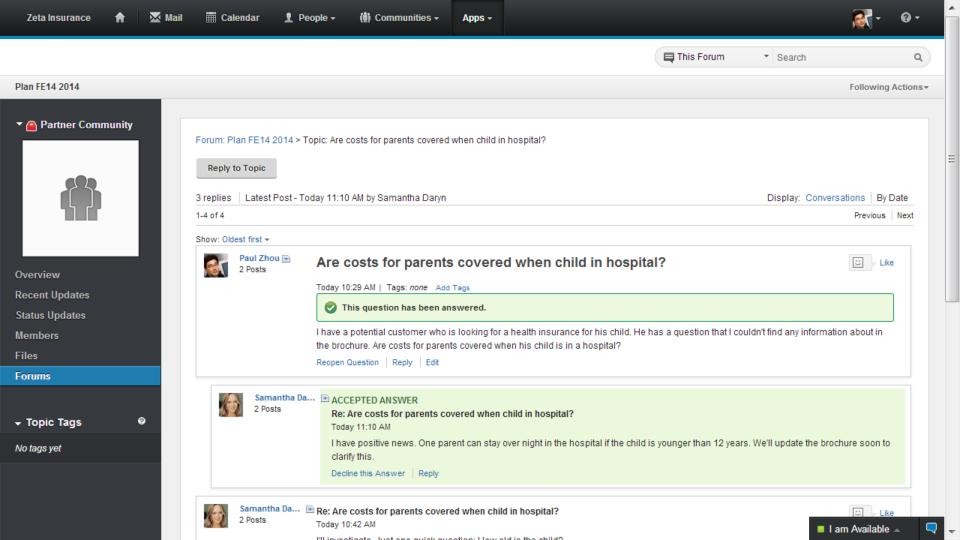
Good catch. I'll update the brochure. Yes, if the child is younger than 12,

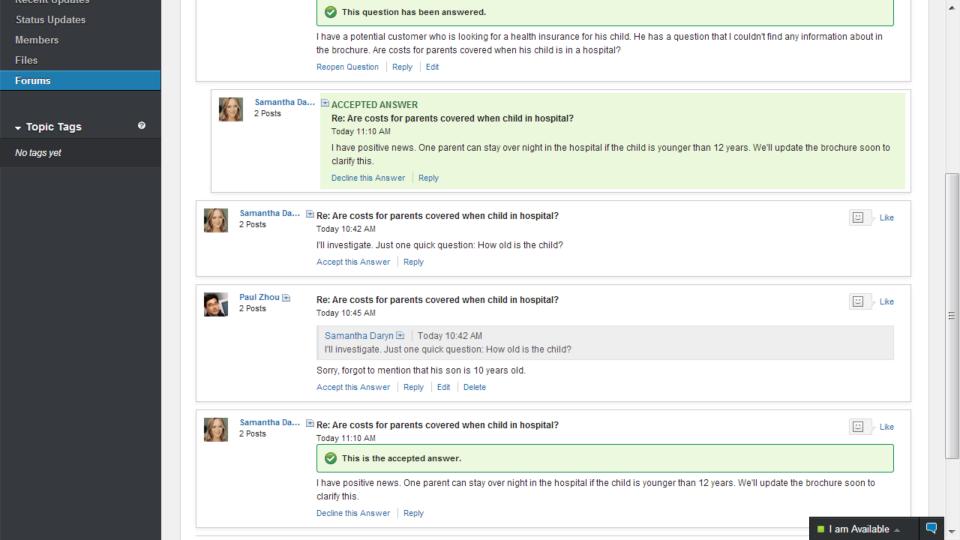
Team, the brochure does indeed not define this. Any ideas?

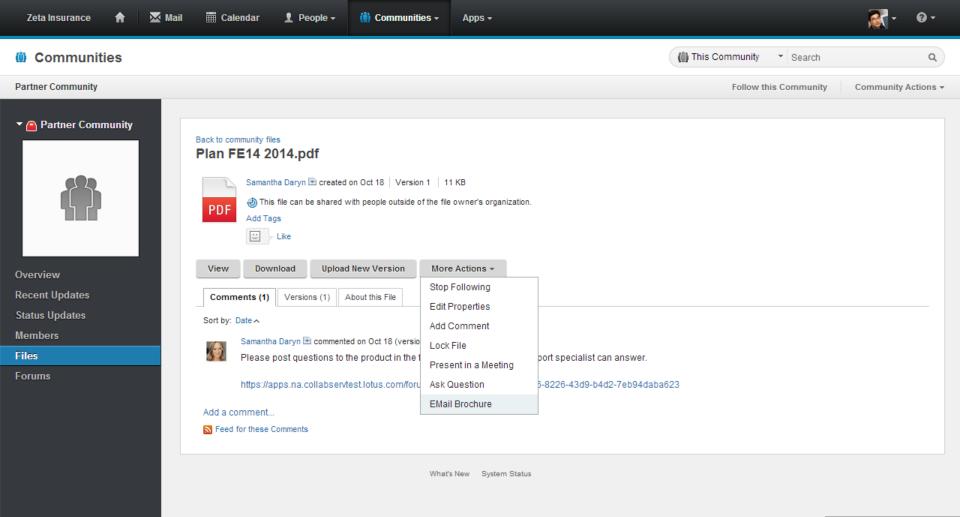
10 minutes ago

20 minutes ago









Communities ▼

Apps ▼

My Account ▼

Help ▼

Regards

Body

Paul Zhou Independent Insurance Broker

Send

Engage Online

- SocialBiz User Group socialbizug.org
 - Join the epicenter of Notes and Collaboration user groups
- Follow us on Twitter
 Engage Online
 - @IBMConnect and @IBMSocialBiz
- LinkedIn http://bit.ly/SBComm
 - Participate in the IBM Social Business group on LinkedIn:
- Facebook https://www.facebook.com/IBMSocialBiz
 - Like IBM Social Business on Facebook
- Social Business Insights blog ibm.com/blogs/socialbusiness
 - Read and engage with our bloggers



Thank You!

Your feedback is important!

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 - Web or mobile browser
 - Connect Online kiosk onsite



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