Backplane & Identity Scenario

A widget collaboration protocol for identity sharing

Vlad Skvortsov - Echo
Johnny Bufu - Janrain
Brian McGinnis - Janrain
Welcome to our example!

http://example.com/page.html
LADY GAGA COVERS ROLLING STONE
LADY GAGA HAS LANDED HER THIRD COVER OF ROLLING STONE IN JUST OVER TWO YEARS. HOWEVER, THE NEW COVER BY PHOTOGRAPHER RYAN McGINLEY IS QUITE A CONTRAST TO GAGA’S PREVIOUS ONES, WHERE SHE WORE NOTHING ELSE BUT BUBBLES OR A MACHINE GUN BRA. THE COVER PHOTO IS A SIMPLE YET BEAUTIFUL PORTRAIT SHOT OF GAGA […]

47 Minutes Ago · Reply

LADY GAGA ON ‘LATE SHOW WITH DAVID LETTERMAN’
LADY GAGA CONTINUES HER BORN THIS WAY PROMO RUN WITH AN APPEARANCE ON DAVID LETTERMAN. THE SINGER STOPPED BY THE POPULAR TALK SHOW TO DISCUSS HER NEW ALBUM, FANS, PERSONAL LIFE, RUMORS AND MUCH MORE. WATCH GAGA’S FIRST EVER APPEARANCE ON THE LATE SHOW WITH DAVID LETTERMAN BELOW:

ManiLmanwell and Rhaebryk like this.
22 Hours Ago · Reply
Example authentication workflow with Backplane

1. Webpage containing one or more Backplane enabled widgets/apps loads.
2. User logs in via the login widget
3. Authentication Service securely publishes an identity message to the Backplane server
4. Backplane JS Lib polls the Backplane server for new messages
5. Backplane JS Lib forwards identity messages to the widgets/apps who have registered for identity messages
```json
{
    "type": "identity/ack",
    "bus": "customer.com",
    "channel": "67dc880cc265b0dbce755ea959b257118",
    "messageURL": "https://bp.example.com/v2/message/097a5cc401001f95b45d37aca32a3bd2",
    "source": "http://aboutecho.com",
    "payload": {
        "startIndex": 0,
        "itemsPerPage": 1,
        "totalResults": 1,
        "entry": {
            "accounts": [
                {
                    "identityUrl": "http://twitter.com/johndoe",
                    "username": "johndoe",
                    "emails": [{
                        "value": "username@email.com",
                        "primary": "true"
                    }],
                    "photos": [{
                        "value": "http://img.twitter.com/johndoe.jpg"
                    }],
                    "type": "avatar"
                }
            ]
        }
    }
}
```
Backplane Server
(RESTful HTTP, OAuth 2.0)

- non-secure clients (browsers)
  - backplane.js
    - JavaScript API
      - Commenting Widget
        - can only receive messages, no posting
        - have only access to messages relevant to the browser's session
        - only receive message metadata (no payloads)
      - Login Widget

- secure clients (server-side)
  - Commenting Server
    - can post messages
    - receive all messages posted on a "bus" (trust domain)
    - have access to full content of a message
  - Authentication Server
1. Login!

2. User X logged in!

3. A user has logged in!

4. Who just logged in?

5. That's X.

Comment Server

Auth Server

Commenting Widget

Login widget

browser

Backplane — http://backplanespec.com