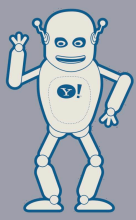




# Yahoo! Mail Applications

A Safer, More Effective Way Into the Mailbox

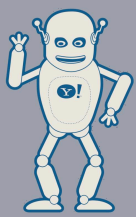
**YAHOO!**  
DEVELOPER NETWORK



## Who am I?



- **Ryan Kennedy ([rckenned@yahoo-inc.com](mailto:rckenned@yahoo-inc.com))**
  - Yahoo! Hacker
  - “The Mail Guy”



# What are Yahoo! Mail Applications?

- Inbox**
- Drafts
- Sent
- Spam (2) Empty
- Trash Empty
- Contacts Add
- Calendar
- Notepad
- ▼ Applications Add
  - Flickr
  - WordPress

**Flickr**

Signed

Your Photostream

Select photos you want to share, then click **Share Photos**.





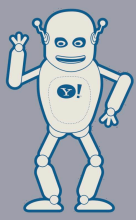
# What triggers an application?

- **Initialization**
- **Clicking**
- **Message drag and drop**
- **Uninstall**



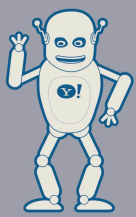
## What can an application do in response?

- **Make HTTP requests (cross-domain included, Flash req'd)**
- **Open and close views (iframe'd tabs/dialogs)**
  - **Views are full HTML documents**
- **Get/set key → value store**
- **Anything else you can do in JavaScript**



## Application components

- **XML application description (1..1)**
- **View HTML/CSS/JavaScript (1..n)**
- **Application icon (0..1)**
- **Authorization configurations (0..n)**
- **Assets (0..n)**



# Build a Mail Application (Step 1)

## 1. Create and Describe

**YAHOO! MAIL**  
Application Developer Tool

**Applications**

- Message Debugger
- Remember the Milk
- YAP on YMail

Create Delete  
Publish Unpublish  
Copy

**Testers**

- rckenned

General Application View Authorization Assets

Name:   Developer-Only Application

Description:

Icon (16 x 16)  
 Browse... Upload

Thumbnail (64 x 64)  
 Browse... Upload

Screenshot  
 Browse... Upload

Save





# Build a Mail Application (Step 2)

## 2. Configure Views

**Applications**

- Message Debugger
- Remember the Milk
- YAP on YMail

Create      Delete

Publish      Unpublish

Copy

General    **Application**    View    Authorization    Assets

Configuration XML

```
<?xml version="1.0"?>
<openmail_app_config version="2">
  <data>
    <mail_message>
      <format>full</format>
      <action>
        <launch>
          <view>Full</view>
          <target_zone>tab</target_zone>
          <context/>
          <title>Stuff Dialog</title>
        </launch>
      </action>
    </mail_message>
  </data>
</openmail_app_config>
```





# Build a Mail Application (Step 3)

## 3. Code Views

**Applications**

- Message Debugger
- Remember the Milk
- YAP on YMail

**Testers**

- rckenned

\* Tester pending approval.

General Application **View** Authorization Assets

View Name    Type

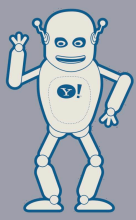
View HTML

```

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN" "http://www.w3.org/TR/html4/strict.dtd">
<html>
<head>
<title>Hi</title>
<script src="http://yui.yahooapis.com/2.5.1/build/yahoo-dom-event/yahoo-dom-event.js"></script>
<script src="http://yui.yahooapis.com/2.5.1/build/json/json-min.js"></script>
<script src="http://mail.yimg.com/a/lib/om/crossframe/1.0.17/crossframe-min.js"></script>
<script src="http://mail.yimg.com/a/lib/om/om_api_public/1.0.2/om_api_public.js"></script>
</head>
<body>
From: <span id="from"></span></a><br />
Subject: <span id="subject"></span><br />
Body: <span id="body"></span><br />
Attachments: <br /><span id="attachments"></span><br />
<script>
openmail.Application.getParameters(function(args){
  document.getElementById("from").innerHTML = args.data.from.email;
  document.getElementById("subject").innerHTML = args.data.subject;
  document.getElementById("body").innerHTML = "<pre>" + YAHOO.lang.JSON.stringify(args.data) +
  for(i = 0; i < args.data.part.length; i++) {
    if(args.data.part[i].url) {
      document.getElementById("attachments").innerHTML += args.data.part[i].url + "<br />"
      openmail.Application.callWebService(
        {
          "url": args.data.part[i].url,
          "method": "GET"
        },
        function(args) {
          document.getElementById("attachments").innerHTML += "<pre>" + YAHOO.lang.JSON.stringify(args.data) +
        }
      );
    }
  }
});

```





# Build a Mail Application (Step 4)

## 4. Install, Test and Debug

The screenshot shows the Yahoo! Mail web interface. At the top left is the 'YAHOO! MAIL' logo. To its right, the user is identified as 'Hi, rckenned' with a status of 'Offline'. Below this are links for 'Sign Out', 'What's New', and 'Mail Classic'. The interface features a left-hand navigation pane with options like 'Check Mail', 'New', a search bar, and a list of folders including 'Inbox', 'Drafts', 'Sent', 'Spam', and 'Trash'. The main content area is titled 'Application Gallery' and contains a card for 'Message Debugger (Private)', developed by Ryan Kennedy. The card includes a Yahoo! logo icon and an 'Add' button.







## More information

- **Documentation - <http://developer.yahoo.com/mailapplications/>**
- **Hack Day Help**
  - email: [rckenned@yahoo-inc.com](mailto:rckenned@yahoo-inc.com)
  - YIM: rckenned
  - Jabber: [ryan@unclehulka.com](mailto:ryan@unclehulka.com)
- **Inspiration - Look Around!**

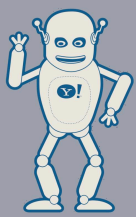




## Post Hack Day Contact

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  - **[jthurlow@yahoo-inc.com](mailto:jthurlow@yahoo-inc.com)**
  - **Office +41 22 831 51 25**
  - **Mobile +41 79 558 05 44**





# Questions?



<http://xkcd.com/138/>