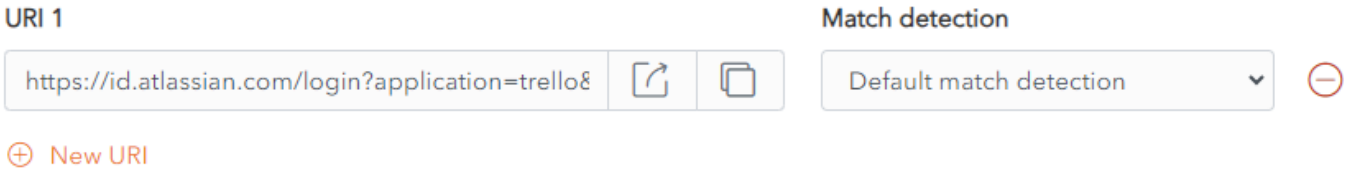
Using URIs in Auto-fills

A **Login Item** can have **one or more URIs**. These are added from the **Create Item** or **Edit Item** Screen.



A **URI** is **defined** as a :

- Website address (URL)
- Server IP address
- Mobile App Package ID
- etc.

> A **URI** is **mandatory** for a Login Item in order to **auto-fill** it into a web page.

URI Components

A **URI** is made up for a number of **components**.

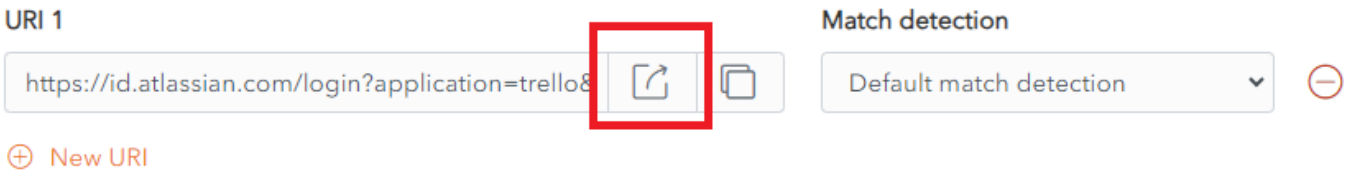
https://www.google.com:8080/calendar/item?id=123&type=task

- **Scheme** https://
- **Hostname** www.google.com
  - **Subdomain** www
  - **SLD (second level domain)** google
  - **TLD (top level domain)** com
- **Port** 8080
- **Path** calendar/item
- **Query String** ?id=123&type=task

URI Scheme

A URI Scheme **should be specified** as part of the **URI**. If it is not specified **http://** is used by **default**.

However, if a Scheme is **not specified** by the user, the **Launch button,** to launch the website or app directly from the Vault, will **not work**.



Examples of schemes are

- https:// or http:// are schemes that reference web pages, e.g. https://www.google.com
- androidapp:// is a scheme that references an Android app pacakge ID or name, e.g. androidapp://com.google.android

Mobile App URIs

Every mobile app has it's **own URI**. In order to save the login of an app into the Vault, it is necessary to **save the URI** of the app.

Locate App URI for iOS

From the App Login Screen on your iOS device, **open the Browser Extension.**

Click the **+ button** to create a new Item in the Browser Extension.

The **New Item Screen** displays and it is **prepopulated** with the **URI** of the **App**.

> This **only works if** the **App permits** recuperating the URI.

The Item can be **saved** as a **Login Item** for this Mobile App.

Alternatively, the **URI** can be **copied** and **pasted** into another Login Item.

Locate App URI for Android

From the **App page** in the **Google Play Store**, locate the **Share** button.

Copy the **Share Button link** to the clipboard.

Paste the link to an email or another file where it can be displayed.

The **link** will look something like this:

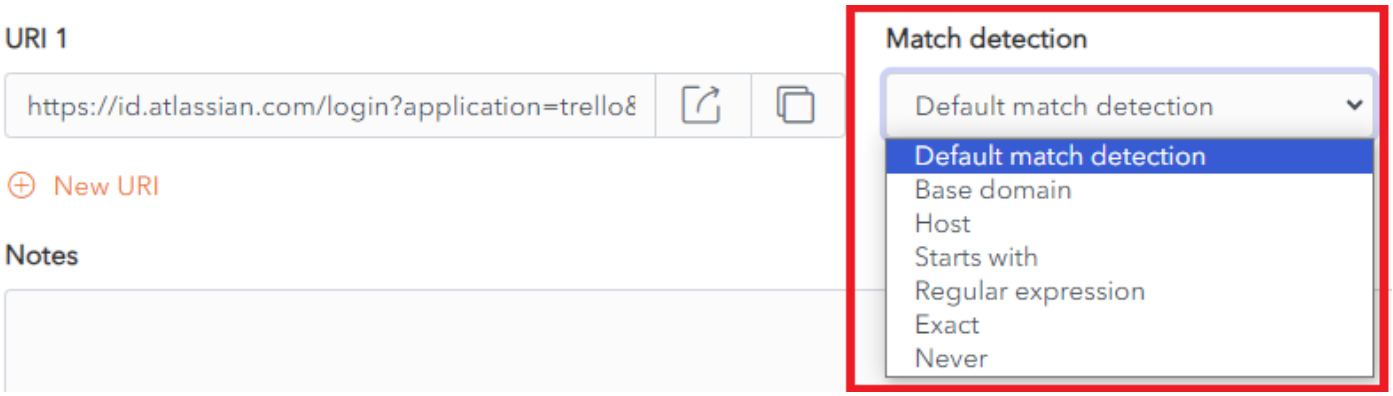
https://play.google.com/store/apps/details?id=com.twitter.android

The **URI** is the **id value**, in this example, com.twitter.android

URI Match Detection

Each URI associated with an Item in WALLIX Enterprise Vault has a number Match detection options in the that **Match detection dropdown** can be chosen.

The Match detection option chosen tells WALLIX **how to match the URI** of the **Vault Item** with the **URI** of the **web page or mobile app** for **auto-filling**.



Defaut match detection

Base domain is the **default** option for **URI match detection.**

However, this can be **changed** in **Settings > Auto-fill** for **all Items.**

The Default match detection can be **specified** on a per item basis, in the Item Screen for **each item**. If not specified, the default option is used.

Base domain

If **Base domain** is chosen as the Default match detection for a URI, WALLIX will try to auto-fill all pages or apps where the **top-level domain (TLD) or second-level domain (SLD)** of the Page URI matches a the top-level domain or second-level domain of a Vault Item.

> This works with **country code top level domains** only. Local TLDs, e.g. **www.google.local** do not work. **Local TLDs** work with **Host matching**.

For example,

https://google.com

Auto-fill works:

- www.google.com
- calendar.google.fr

Auto-fill does not work:

- www.google.net

Host

If **Host** is chosen as the Default match detection for a URI, WALLIX will try to auto-fill all pages or apps where the **hostname** (**and port**, if specified) of the Page URI matches a the hostname (and port, if specified) of a Vault Item.

For example,

https://calendar.google.com:8080

Auto-fill works:

- calendar.google.com:8080
- calendar.google.com:8080/home.html

Auto-fill does not work:

- www.google.com (different subdomain and missing port)
- www.google.com:8080 (different subdomain)
- calendar.google.com:8081 (different port)

Starts with

If **Starts with** is chosen as the Default match detection for a URI, WALLIX will try to auto-fill all pages or apps where the Page URI **starts with** the URI of a Vault Item.

For example,

https://www.google.com/home/

Auto-fill works:

- https://www.google.com/home/index.html
- https://www.google.com/home/

Auto-fill does not work:

- https://www.google.com
- https://www.google.com:8080/home/ (port number added)
- https://www.google.com/home (missing trailing slash)

Regular expression

If **Starts with** is chosen as the Default match detection for a URI, WALLIX will try to auto-fill all pages or apps where the Page URI matches a **specified regular expression** associated with the URI of a Vault Item.

> Regular expressions are **case insensitive**.

For example,

^https://[a-z]+\.google\.com/index\.php

Auto-fill works:

- https://www.google.com/index.php
- https://fr.google.com/index.php

Auto-fill does not work:

- https://www.google.com/index/ (missing .php)
- https://malicious-site.com?q=google.com

For example,

^https://.*google\.com$

Auto-fill works:

- https://www.google.com
- https://fr.google.com/index.html
- **https://malicious-site.com?q=google.com**

> URI matching with Regular Expressions is an **advanced** option and should **only** be used **by those familiar** with using **Regular Expressions.**
>
> **Periods (.)** must be **escaped (\)** otherwise they will match on any character.

Auto-fill does not work:

- https://google.com/index/ (missing period (.))

Exact

If **Exact** is chosen as the Default match detection for a URI, WALLIX will try to auto-fill all pages or apps where the Page **URI** is an **exact match** for the URI of a Vault Item.

For example,

https://calendar.google.com/index.html

Auto-fill works:

- https://calendar.google.com/index.html

Auto-fill does not work:

- https://calendar.google.com/index.htm (index.htm instead of index.html)
- http://calendar.google.com/index.html (http instead of https)
- https://www.google.com/index.html (different subdomain)

> For **HTTPS**, even if Exact matching is not used, the Browser Extension will **warn before** auto-filling a **HTTP** site **if HTTPS** is **expected**.

Never

If **Never** is chosen as the Default match detection for a URI, WALLIX will **never** try to **auto-fill** all pages or apps using **that Vault Item.**

Equivalent Domains

It is possible to link equivalent domains, or domains that use the same login.

For example, calendar.google.com can be linked with www.google.com.

This can be done in **Settings > Domain Rules**.

> If **Exact match detection** is used an **equivalent domain** will **not** be **allowed**.

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