

MoSKito-Control Server (WebApp) User Manual

About this document

This manual is a guide to MoSKito Control WebApp's user interface.

On this page

- [Concepts](#)
 - [How It Works](#)
 - [How It Feels](#)
- [Applications](#)
- [Components](#)
- [Categories](#)
- [Widgets](#)
 - [Status widget](#)
 - [Charts widget](#)
 - [History widget](#)
- [Statistics](#)
- [Refreshing](#)
- [Coming Soon...](#)

Learn how to...

- [Select application](#)
- [Display additional info](#)
- [Rearrange components](#)
- [Display components within category](#)
 - [Display widget](#)
 - [Hide widget](#)
 - [Display additional info tips on chart](#)
 - [Highlight curve on chart](#)
- [Display components with the same current status](#)

Concepts

The initial goal of MoSKito Control is to provide full control to all aspects of a WebApplication through one tool. So, WebApp's user interface is handcrafted to become a universal monitoring station with maximum convenience for the user.

How It Works

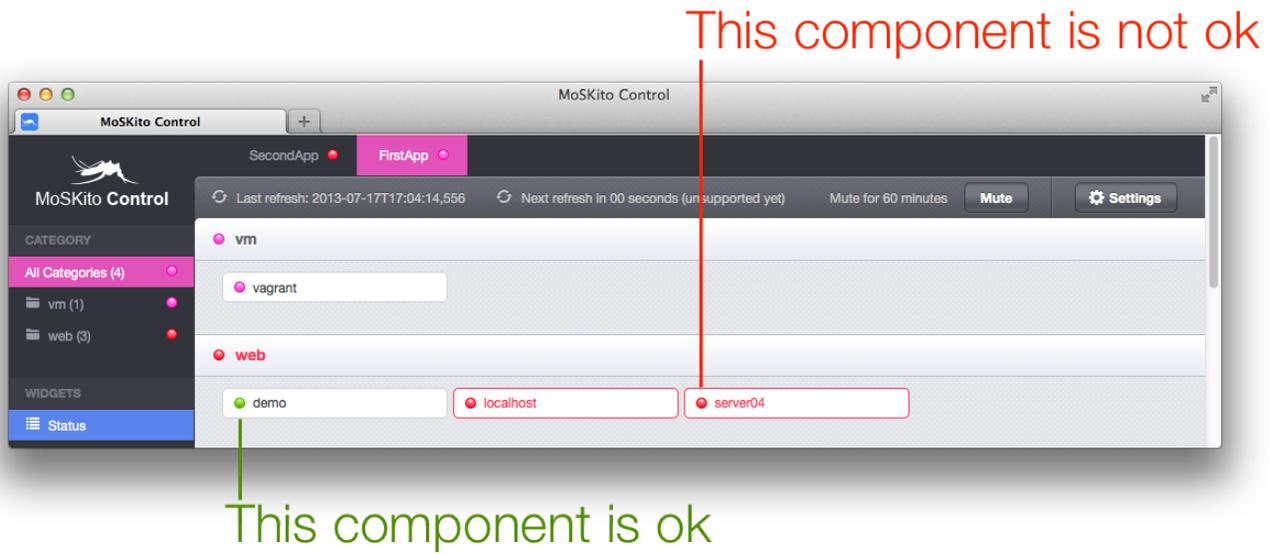
- Every **application**, watched by MoSKito Control, consists of monitored **components**. The app state is determined by the health of its components.
- **Widgets** display essential components' info: health **status**, performance **charts** and **history** of changes).
- For filtering purposes, components fall under different **categories** or may be shown/hidden on the basis of their current status (**statistics**).

How It Feels

The interface feels like a console, filled with leds (light bulbs) that change colors. Every led is an application component, its color is a certain health state, from green (good) to purple (bad-bad-bad).

Imagine everything is working perfectly fine (unlikely to happen in real life, but still). Then all the light bulbs are green.

Suddenly, one component gets worse (a method fails, service goes down or whatever). The corresponding led changes color immediately, letting you know something goes wrong. You see the change and you know the component, so you know where the problem is and you're ready to react right away.



What's great is that you can notice the "filthy sheep" at once, because:

- the whole application takes the color of the worst performing component,
- bad status colors are very bright against the green (good) ones.

Thus, you see the upcoming problems at once and that gives you enough time to deal with them before they hit your application and bring it down.

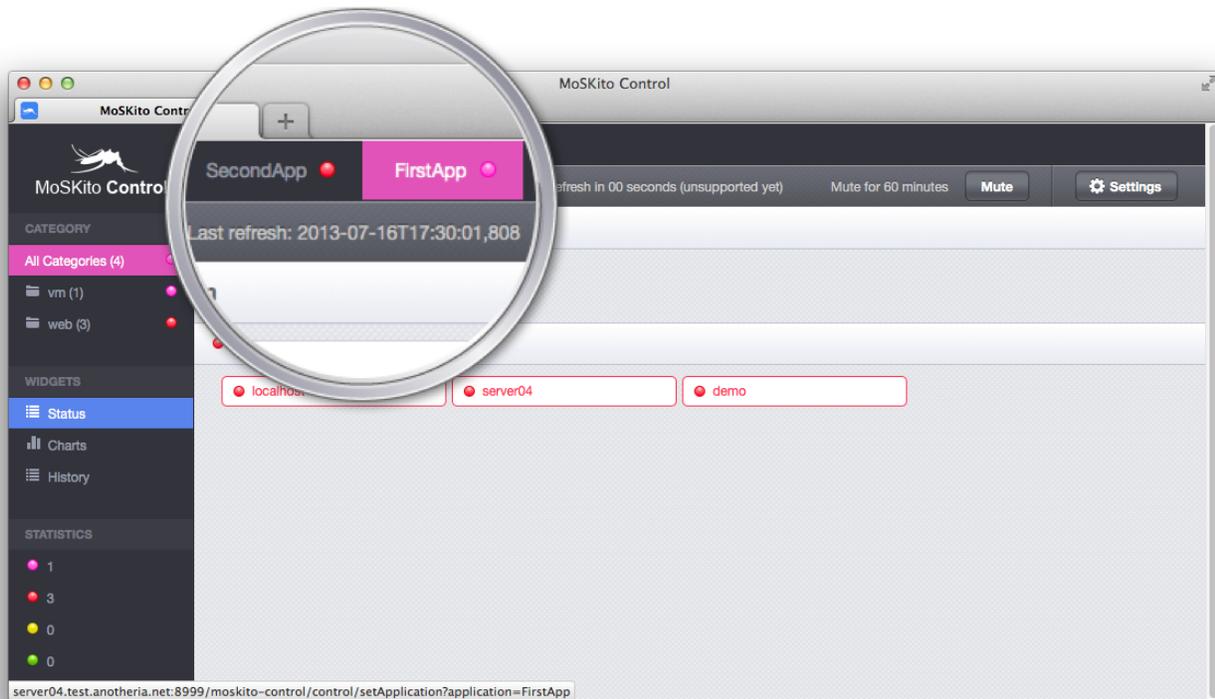
Applications



Definition

In this context, the applications are web applications, monitored by MoSKito Control.

MoSKito Control can monitor multiple applications at a time. Apps are presented as tabs at the top of WebApp.



Select application



Click the needed application tab.



Make sure one application is always selected! In case widgets display nothing or filtering through CATEGORY and STATISTICS sections does not work, always check the application tabs first.



Tabs Change Colors

Application tabs also change colors, following the worst available component. For example, when all components are green and only one is yellow, the application tab becomes purple, too.

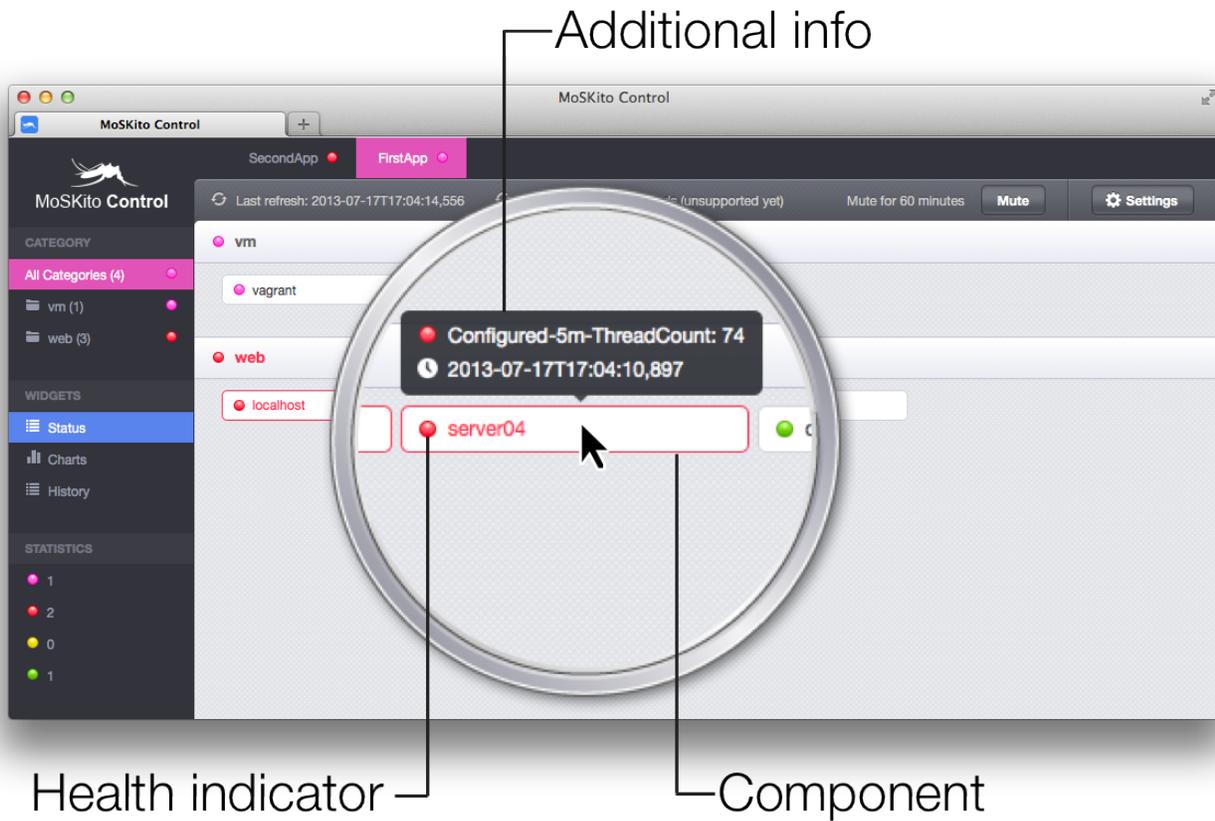
Components



Components are functional parts (like *methods in the application's code*), services or other application areas, monitored by MoSKito Control Agents.

Components are displayed in the central area of WebApp as coloured blocks with health indicators.

Components become visible as soon as you display the Status widget.



Display additional info



Move cursor over component.

Rearrange components



Click the component and drag it to a new position.

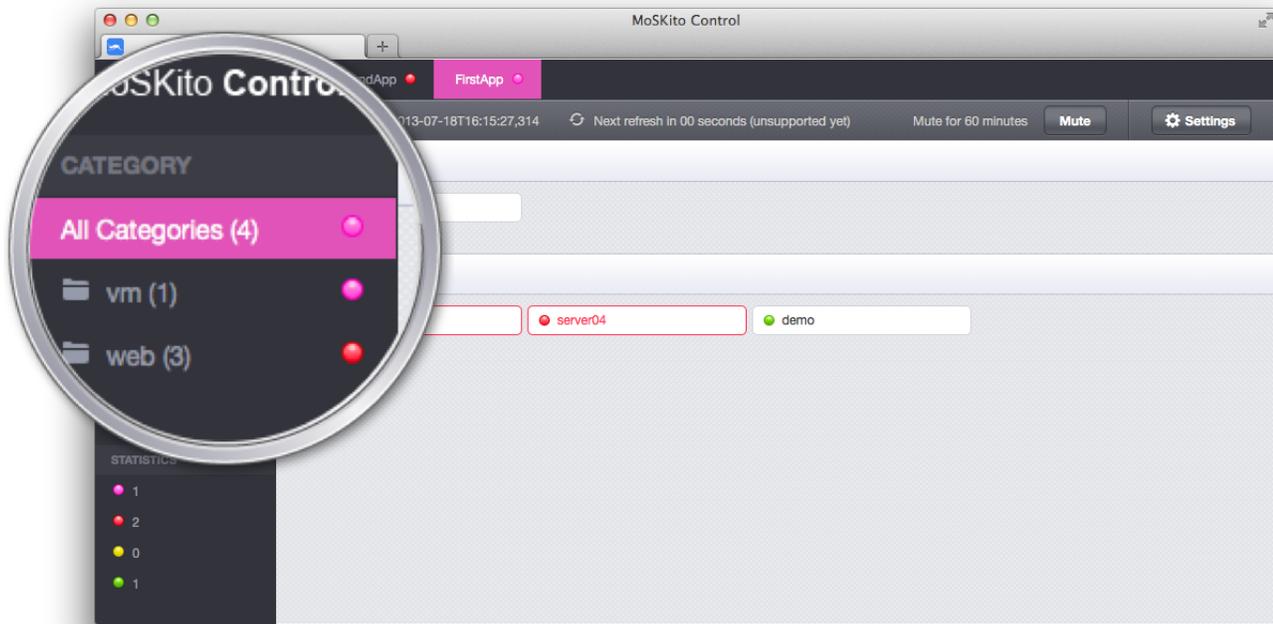
Categories

Definition

Categories unite related components.

This relation may be based on functionality, working principles, architectural similarity and so on.

Categories are used for filtering. They allow displaying those application components you're currently interested in.



Display components within category



1. Select application by clicking its tab.
2. In **CATEGORY** section, click the category.

Click **All Categories** to display all available components, in all categories.

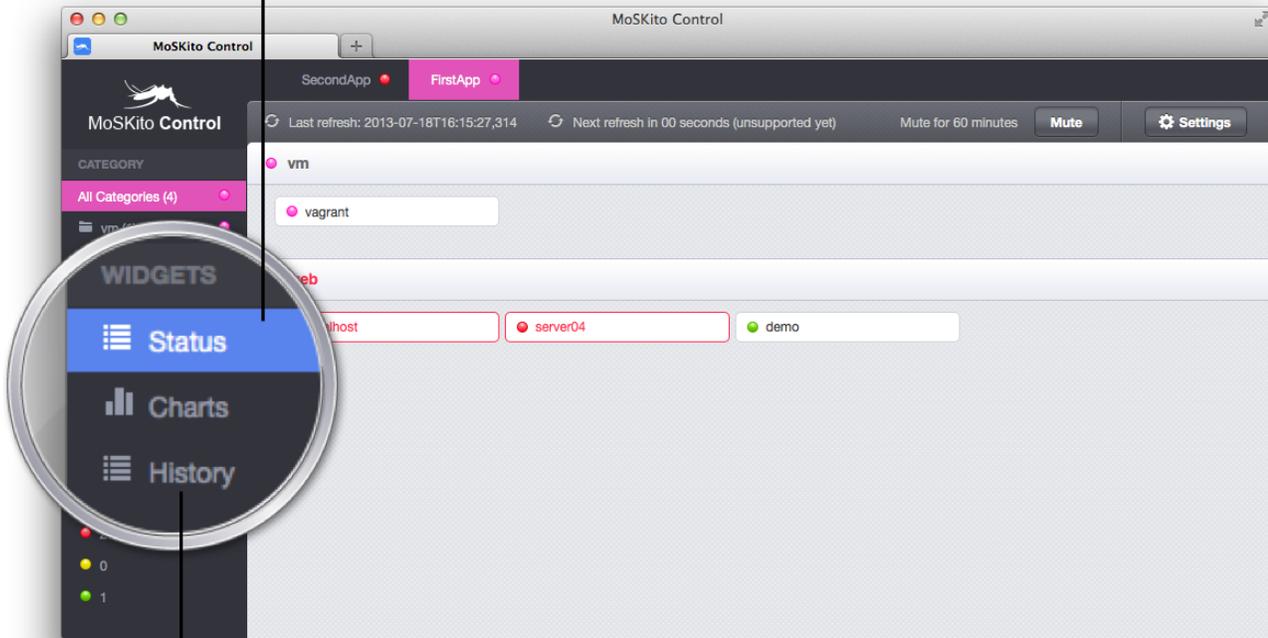
Widgets



Definition

Widgets display basic and additional info, related to your application performance.

Active widget



Inactive widget

Display widget



Click a widget in **WIDGET** section.
An active widget is highlighted with blue.

Hide widget



Click an active widget in **WIDGET** section.
An inactive widget loses its highlighting.

Status widget

-  Status widget displays all available application components and their health state.
This widget is the most basic and important.

After the widget is [displayed](#), you may [rearrange components](#) and [display their additional info](#).

SCREENSHOT HERE

Charts widget

-  Charts widget displays component's performance history as a chart.

Chart widget clearly visualises the changes in your app's performance. This info essential for any analytical report.

The chart itself is an X-Y axis (with performance figures on X and timestamp on Y), the curve is a component's performance.

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Display additional info tips on chart



1. Display **Charts** widget.
2. Move cursor along the curve on the chart.

When a cursor hits the curve, a tip with additional info appears.

Pinpoint additional info tip: click the needed curve point.

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In case a chart contains multiple curves (each corresponding to a component), you may need to highlight one to visually separate it from others.

Highlight curve on chart



1. Display **Charts** widget.
2. Go to Legend section (upper-right chart area) and move mouse over the name of the curve you need.

When a cursor hits the curve name, the curve on the chart gets highlighted.

Lock curve highlighting: click the needed curve name in the Legend section

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History widget

 History widget lists status changes for all components.

History widget displays info in 3 columns:

Column Name	Timestamp	Name	Status change
Explanation	Exact time when status changed (format: <i>year-month-day-hour:minute:second,millisecond</i>)	Component name	Previous status -> New status

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Statistics

 Statistics section unites components with the same current status.

Statistics section is used for filtering. It allows displaying the application components that currently share one status (like all *green*, *yellow*, *red* or *purple* ones).

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Display components with the same current status



1. Select application.
2. Display **Status** widget
3. Go to **STATISTICS** section and click the needed status (like *purple*).

As a result, all components with selected status will be displayed.

Refreshing

Info about the last refresh is available on the Toolbar below Application Tabs section.

SCREENSHOT



Currently, AutoReload feature is under development!

Make sure you refresh the browser page **manually** to have the last updated info.

Coming Soon...

Feature	What the feature does?
AutoReload	Refreshes the browser with WebApp's page, so you don't need to do refreshing manually.
Chart Zoom	After clicking,
Settings	