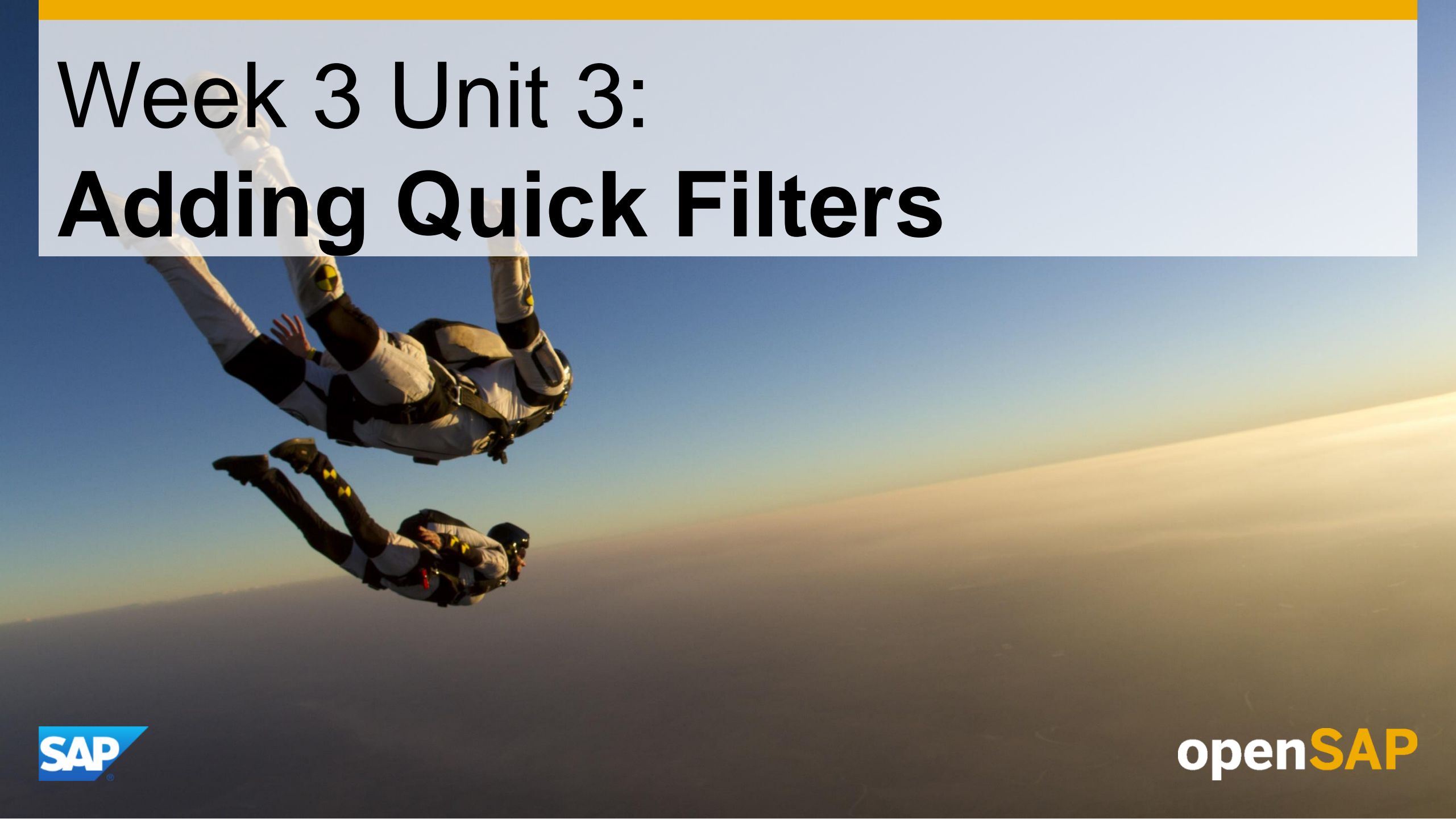


# Week 3 Unit 3: Adding Quick Filters



# Adding Quick Filters

## Constructors and operators for filter objects

Object with a path, operator, and up to two values:

```
new sap.ui.model.Filter({
  path: "...",
  operator: "...",
  value1: "...",
  value2: "...",
})
```

Object with a path and a custom filter function:

```
new sap.ui.model.Filter({
  path: "...",
  test: function(oValue) { }
})
```

Combining a list of filters either with AND or OR:

```
new sap.ui.model.Filter({
  filters: [...],
  and: true|false
})
```

sap.ui.model.FilterOperator.\*

### String Filters:

StartsWith

Contains

EndsWith

### Numeric Filters:

BT (between)

GE (greater or equals)

GT (greater than)

LE (less or equals)

LT (less than)

### Universal Filters:

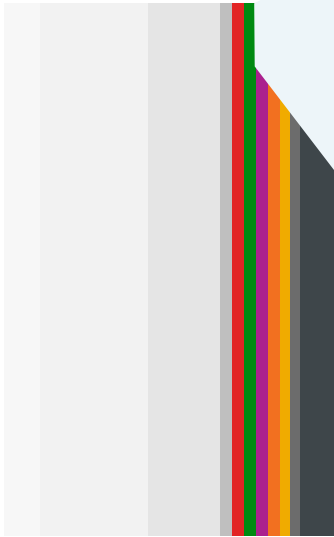
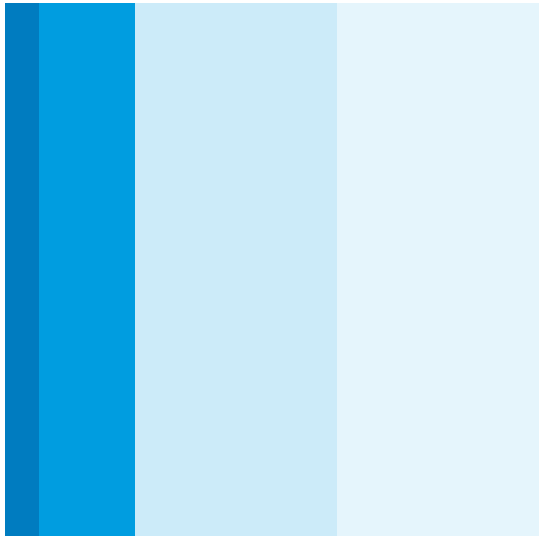
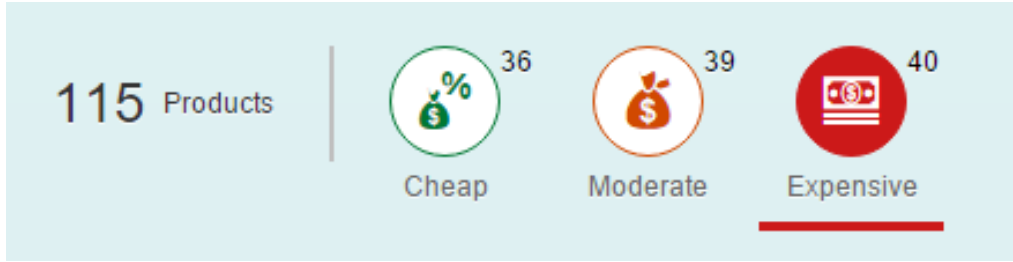
EQ (equals)

NE (not equals)

[API Documentation sap.ui.model.Filter](#)

# Adding Quick Filters

## Semantic colors

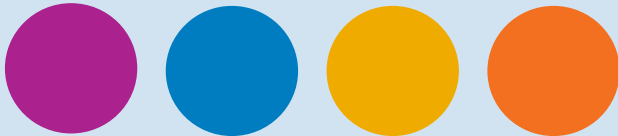


Color balance in the SAP Fiori design language

### Theming Explored Examples



Semantic Colors



Accent Colors

# Adding Quick Filters

## Other filtering patterns

The screenshot shows the 'Company Code' section of a SmartFilterBar. It has a header bar with 'Company Code' and two buttons: 'SELECT FROM LIST' and 'DEFINE CONDITIONS'. Below the header, there are two sections: 'Include' and 'Exclude'. The 'Include' section contains a dropdown menu for 'Company Code', a dropdown for the operator 'contains', and a text input field for 'Value'. There is a '+' button to the right of the 'Value' field. The 'Exclude' section is currently collapsed. At the bottom, there is a status bar that says 'No items selected' and a search input field. The bottom of the dialog has 'OK' and 'Cancel' buttons.

`sap.ui.comp.SmartFilterBar`

The screenshot shows a FacetFilter dialog. The header bar contains 'Category (All)' and 'SupplierName (All)' with a filter icon. Below the header, there is a search bar with the text 'Search'. A list of categories is displayed with checkboxes and counts: 'All' (1), 'Projector' (1), 'Graphics Card' (2), 'Accessory' (4), 'Printer' (2), 'Monitor' (3), 'Laptop' (1), and 'Keyboard' (1). The 'Accessory' item is selected. The bottom of the dialog has 'OK' and 'Cancel' buttons.

`sap.m.FacetFilter`

The screenshot shows a ViewSettingsDialog. The header bar contains the text 'View'. Below the header, there are three icons: a sort icon, a filter icon, and a list icon. There are three fields: 'Field1', 'Field2', and 'Field3'. 'Field2' is highlighted. The bottom of the dialog has 'OK' and 'Cancel' buttons.

`sap.m.ViewSettingsDialog`



# Thank you

Contact information:

[open@sap.com](mailto:open@sap.com)

open**SAP**

# © 2016 SAP SE or an SAP affiliate company. All rights reserved.

---

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP SE or an SAP affiliate company.

SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE (or an SAP affiliate company) in Germany and other countries. Please see <http://global12.sap.com/corporate-en/legal/copyright/index.epx> for additional trademark information and notices.

Some software products marketed by SAP SE and its distributors contain proprietary software components of other software vendors.

National product specifications may vary.

These materials are provided by SAP SE or an SAP affiliate company for informational purposes only, without representation or warranty of any kind, and SAP SE or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP SE or SAP affiliate company products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.

In particular, SAP SE or its affiliated companies have no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and SAP SE's or its affiliated companies' strategy and possible future developments, products, and/or platform directions and functionality are all subject to change and may be changed by SAP SE or its affiliated companies at any time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of their dates, and they should not be relied upon in making purchasing decisions.