



Today's session will be recorded and available 24/7 on <http://tv.telerik.com>



What's New & Awesome in Windows8 HTML Q2 2013



Schedule



June 17th – Monday
11:00am EDT

What's New & Awesome in [XAML](#) Q2 2013

June 17th – Monday
12:00pm EDT

What's New & Awesome in [WinForms](#) Q2 2013

June 18th – Tuesday
11:00am EDT

What's New & Awesome in [ASP.NET AJAX](#) Q2 2013

June 18th – Tuesday
12:30am EDT

Manage your RadControls projects more effectively with [Telerik TeamPulse](#)

June 19th – Wednesday
11:00am EDT

What's New & Awesome in [Windows8 XAML](#) & [Windows Phone](#) Q2 2013

**June 19th – Wednesday
12:00pm EDT**

What's New & Awesome in [Windows8 HTML](#) Q2 2013

June 19th – Wednesday
1:00pm EDT

What's New & Awesome in [Telerik Reporting](#) and [OpenAccess ORM](#) Q2 2013

June 20th – Thursday
11:00am EDT

Meet the Next Generation of [Kendo UI Complete for ASP.NET MVC Extensions](#)

June 20th – Thursday
12:00pm EDT

What's New & Awesome in [Visual Studio Productivity Tools](#) Q2 2013

June 21st – Friday
1:00pm EDT

Automating HTML5 and AJAX UI Tests with the [Telerik Testing Framework](#)

Roadmap for Today



- Q1 2013 – A quick review
- New Controls
- Data Storage
- New Features
- TypeScript Support
- New Samples Library
- Resources/Q&A

Introductions



Phil Japikse

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Blog: <http://blogs.telarik.com/skimedic>



Highlights from Q1 2013



- DataGrid
- New Charts
 - Open/Hi/Low/Close
 - Candlestick
- RadZoomable
- For full release history:
 - <http://www.telerik.com/products/windows-8/whats-new>
 - Select Release History



Q2 2013 Release Overview

RadControls Controls for Windows 8



HTML	XAML	AutoCompleteBox	Gauge	HTML	XAML
HTML	XAML	BulletGraph – NEW (HTML)	Grid - UPDATED	HTML	XAML
HTML	XAML	Chart	HubTile	HTML	XAML
HTML		ComboBox	NumericBox	HTML	XAML
HTML	XAML	DatePicker/TimePicker	Pagination	HTML	XAML
HTML		DropDownList	Slider	HTML	
HTML		SparkLines – NEW	Calendar – NEW	HTML	XAML
HTML	XAML	DataStorage – NEW	TokenInput – NEW	HTML	
HTML		TypeScript Definitions – NEW			



New Controls for Q2 2013

Calendar



Calendar

June 2013						
Su	Mo	Tu	We	Th	Fr	Sa
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	1	2	3	4	5	6
Friday, June 14, 2013						

```
<div id="myCalendar1" data-win-control="Telerik.UI.RadCalendar"></div>
```

```
var calendar1 = myCalendar1.winControl;  
var calendar2 = new Telerik.UI.RadCalendar(myCalendar2);  
calendar1.addListener("change", function(e) {  
    if (calendar1.current) {  
        calendar2.min = calendar1.current;  
    }  
    else {  
        calendar2.min = new Date(1900, 0, 1);  
    }  
})  
calendar1.onnavigate = function(e) {  
    calendar2.navigate(calendar1.current);  
}
```

Token Input



Token Input

Item1 x |

Item2

Item3

Caitlyn Roing x

Marianne Pearl
m.pearl@company.com

George Patterson
george.patterson@mycompany.com

```
id grey"  
ik.UI.RadTokenInput"
```

```
t typing...',
```

```
, 'Item2', 'Item3']
```


Sparklines



- Lightweight graphical representations of values
 - Line
 - Bar
 - Column
 - Area
 - Pie
 - Bullet

Sparklines (minus BulletGraph)



```
<div class="sparklineDiv" id="sparkline1"  
  data-win-control="Telerik.UI.RadSparkline"  
  data-win-options="{type:'line', data: [22,13,37,42,12,22,13,37,42,12]}" />
```

```
<div class="sparklineDiv" id="sparkline2"  
  data-win-control="Telerik.UI.RadSparkline"  
  data-win-options="{type:'bar',data: [22,13,37,42,12]}" />
```

```
<div class="sparklineDiv" id="sparkline3"  
  data-win-control="Telerik.UI.RadSparkline"  
  data-win-options="{type:'column',data: [22,13,37,42,12,22,13,37,42,12]}" />
```

```
<div class="sparklineDiv" id="sparkline4"  
  data-win-control="Telerik.UI.RadSparkline"  
  data-win-options="{type:'area',data: [22,13,37,42,12,22,13,37,42,12]}" />
```

```
<div class="sparklineDiv" id="sparkline5"  
  data-win-control="Telerik.UI.RadSparkline"  
  data-win-options="{type:'pie',data: [22,13,37,42,12]}" />
```


BulletGraph



```
<div id="sparkline1"
  data-win-control="Telerik.UI.RadSparkline"
  data-win-options=" {
    type:'bullet',
    valueAxis: {
      plotBands: [
        {from: 0, to: 950, color:'#787878', opacity:0.15},
        {from: 950, to: 980, color:'#787878', opacity:0.45},
      ]
    },
    data: [955,980]}"
```

Bullet Graph



/>



Demo – New Controls



Data Storage

Data Storage



- Leverages SQLite
 - Add relational data option to Windows 8 applications
- Provides simple, intuitive API for local storage
- Database is created using Windows 8 stores
 - Local
 - Roaming
 - Temporary

Simple, Intuitive API

```
var db = return Telerik.Data.Database.open("MyData");
cleanDatabase: function() {
  return db.queryScalar("drop table [customers]")
    .then(function(e) {
      db.close();
    })
},
maxID: function () {
  return db.queryScalar("select max(id) from customers")
    .then(function (result) {
      db.close();
      return result;
    });
},
getCustomers: function () {
  return db.query("select * from customers")
    .then(function(result) {
      db.close();
      return result;
    });
},
```

```
deleteCustomer: function(id) {
  db.remove("customers", { id: id });
  db.sync().then(function () {
    db.close();
  });
},
deleteCustomerObject: function(customer) {
  db.remove("customers", customer);
  db.sync().then(function () {
    db.close();
  });
},
updateCustomer: function (customer) {
  db.update("customers", customer);
  db.sync().then(function () {
    db.close();
  });
},
insertRecord: function (customer) {
  db.insert("customers", customer);
  return db.sync().then(function () {
    db.close();
    return customer.id;
  })
},
```





Demo – Data Storage



Updated Controls for Q2 2013

RadGrid



RadGrid Editing

	ID	NAME	CITY	JOB TITLE
+	1	Kenya Bruni	Anchorage	Chief Accounting Officer
✓	2	Karry Evertt	Chicago	Chief Information Technology Officer
✗	3	Jacklyn Emayo	Boston	Chief Development Officer
	4	Robin Crotts	New York	Chief Financial Officer

```
editable: {  
  enabled: true, /* enable editing in grid */  
  mode: 'cellBatch', /* cell, cellBatch, row */  
  create: false, /* createAt */  
  update: true, /* enable/disable update */  
  destroy: false /* immediately destroy (true) or mark for deletion */  
},
```




Demo – RadGrid Editing

Filtering Customizations

A screenshot of a date filter UI. At the top, there is a header with a dropdown arrow, the text 'HIRE DATE', and another dropdown arrow. Below this, there are two date pickers: 'From' with the value '6/15/1996' and 'To' with the value '6/15/2000'. Below the date pickers is a blue button labeled 'Filter' and a grey button labeled 'Clear filter'.

Data-win-options

```
{field: 'HireDate', title: 'Hire Date',width:150, format:'{0:d}',
  filterable: {
    template: select('#dateFilterTemplate'),
    refresh: GridFilterExample.refreshDateFilter,
    apply: GridFilterExample.applyDateFilter
  }
},
```

```
<div id="dateFilterTemplate" data-win-control="WinJS.Binding.Template">
  <div>
    <label style="color:white">From</label>
    <span id="fromDatePicker" data-win-control="Telerik.UI.RadDatePicker"></span>
    <label style="color:white">To</label>
    <span id="toDatePicker" data-win-control="Telerik.UI.RadDatePicker"></span>
    <button type="submit">Filter</button>
  <div>
    <button type="reset">Clear filter</button>
  </div>
</div>
</div>
```


Coding Custom Filters



```
getFiltersForField: function (expression, field) {
    var filters = [];
    ((expression || {}).filters || [])
        .forEach(function (filter) {
            if (filter.field === field) {
                filters.push(filter);
            }
        });
    return filters;
},
refreshDateFilter: function(element, expression) {
    var filters = getFiltersForField(expression,
    "HireDate"),
    value;
    if (filters[0] && fromDatePicker) {
        value = new Date(+filters[0].value);
        fromDatePicker.winControl.value = value;
    }
    if (filters[1] && toDatePicker) {
        value = new Date(+filters[1].value);
        toDatePicker.winControl.value = value;
    }
},
```

```
filterByDate: function (operator, actual, specified) {
    filters = {
        "gte": function (a, b) { return a - b >= 0 },
        "lte": function (a, b) { return a - b <= 0 }
    }
    actual = new Date(actual);
    specified = new Date(specified);
    return filters[operator](actual, specified);
},
applyDateFilter: function (element, expression) {
    var filters = getFiltersForField(expression,
    "HireDate"),
    from = fromDatePicker.winControl.value,
    to = toDatePicker.winControl.value;
    if (from) {
        expression.filters.push({
            field: "HireDate",
            operator: filterByDate.bind(null, "gte"),
            value: from.valueOf() + ""
        });
    }
    //repeat for "to" using "lte"
    return expression;
},
```



Demo – Custom Filters

TypeScript



- Add Telerik.d.ts
 - %installdirectory%\js\Telerik.d.ts
- Add references to winjs.d.ts and Telerik.d.ts

```
/// <reference path="../../ts/win.d.ts" />
/// <reference path="../../ts/telerik.d.ts" />
(function () {
    "use strict";
    WinJS.UI.Pages.define("pages/typeScript/typeScript.html", {
        ready: function (element, options) {
            var element = document.getElementById('myCalendar');
            var calendar = new Telerik.UI.RadCalendar(element);
            calendar.footer.enabled=true;
        },
    });
})();
```

Brand New Samples Library



Grid Example

Sales Statistics

Grid

FILE: default.html

```
<!DOCTYPE html>
<html>
<head>
  <title>Grid - Filtering</title>
  <!-- WinJS references -->
  <link href="//Microsoft.WinJS.1.0/css/ui-light.css" rel="stylesheet" />
  <script src="//Microsoft.WinJS.1.0/js/base.js"></script>
  <script src="//Microsoft.WinJS.1.0/js/ui.js"></script>
  <!-- Telerik references -->
  <link href="//Telerik.UI/css/common.css" rel="stylesheet" />
  <link href="//Telerik.UI/css/light.css" rel="stylesheet" />
  <script src="//Telerik.UI/js/jquery.js"></script>
  <script src="//Telerik.UI/js/ui.js"></script>
  <link rel="stylesheet" href="default.css" />
  <script src="default.js"></script>
</head>
<body>
  <div class="fragment exampleGridFilteringFlightRoot">
    <header aria-label="Header content" role="banner" data-win-control="WinJS.UI.HtmlControl" data-win-options="{uri: '/controls/header.html'}">
    </header>
    <section aria-label="Main content" role="main" class="exampleGridFilteringFlight">
      <div class="configurationFlyout">
        <div id="customFiltersSwitch" data-win-control="WinJS.UI.ToggleSwitch" data-win-options="{
          title: 'Custom filter menus',
          onchange: Telerik.QSF.HTML.Examples.Grid.FilteringFlight.toggleCustomFilterMenus,
          checked: true
        }">
        </div>
        <div id="customGroupHeadersSwitch" data-win-control="WinJS.UI.ToggleSwitch" data-win-options="{
          title: 'Custom grid appearance',
          onchange: Telerik.QSF.HTML.Examples.Grid.FilteringFlight.toggleCustomGridAppearance,
          checked: true
        }">
        </div>
        <div id="timeFilterTemplate" data-win-control="WinJS.Binding.Template">
          <div class="customized-time">
            <!-- Save the field in a hidden field, so that we know which data field to use in the refresh and apply functions-->
            <input type="hidden" data-win-bind="value: field" />
            <label>From</label>
            <span id="fromTimePicker" data-win-control="Telerik.UI.RadTimePicker"></span>
            <label>To</label>
            <span id="toTimePicker" data-win-control="Telerik.UI.RadTimePicker"></span>
            <button class="k-button" type="submit">Filter</button>
            <div class="t-filter-buttons">
              <button class="k-button" type="reset">Clear filter</button>
            </div>
          </div>
        </div>
      </div>
    </section>
  </div>
</body>
</html>
```

Editing Cell edit

URATION	PRICE
0 min	\$1,170
55 min	\$1,204
40 min	\$1,170
5 min	\$1,600
15 min	\$1,173
15 min	\$1,615
40 min	\$1,197
20 min	\$1,197
20 min	\$1,204
15 min	\$1,170
50 min	\$1,197
50 min	\$1,197
r 11 min	\$1,247
r 20 min	\$1,620
25 min	\$1,615
50 min	\$1,219
55 min	\$1,600
5 min	\$1,247

Pin to Start

View Code

Resources



- Windows Store
 - Search for Telerik
- Telerik
 - <http://www.Telerik.com>
- Documentation/Demos/Forums/
 - <http://www.Telerik.com/win8>
- Feedback
 - <http://feedback.Telerik.com>



Demo – Samples Library

Q & A



Download RadControls for Windows 8 Store Applications at
<http://www.telerik.com/win8>

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<http://www.skimedic.com/blog>

<http://blogs.Telerik.com/skimedic>