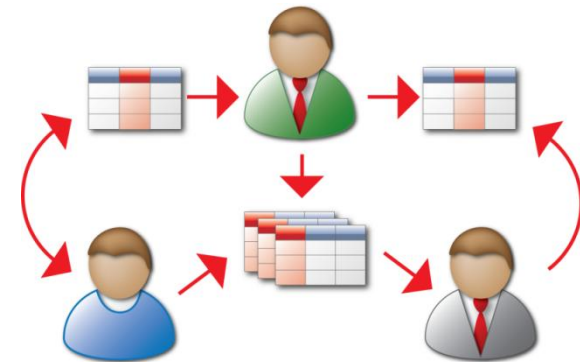


# APEX noch einfacher: Websheets

- Daten und Texte "einfach ins Web" stellen
  - Textseiten
  - Editierbare *Data Grids*
  - Interaktive Berichte
  - Attachments, Tagging, Bemerkungen
- APEX für "*Business User*"
  - Keine Programmierung nötig!
  - Verteilung per URL
  - Rechtekonzept per ACL



# Websheets vs. APEX-Anwendungen

	APEX-Anwendungen	Websheets
Datentabellen	Erstellt vom Entwickler SQL, PLSQL	Automatisch
Primärschlüssel	Trigger und Sequence	Automatisch
Validations	Assistentengestützt (Application Builder)	Verwaltung zur Laufzeit im Websheet selbst
Berichtslayout	Berichtsdefinition (SQL)	Verwaltung zur Laufzeit im Websheet selbst
Auswahllisten	Definition im Application Builder per SQL	Verwaltung zur Laufzeit im Websheet selbst
<i>Page Flow</i>	Verzweigungen im Application Builder	Navigationsseiten out-of-the-box, Limitiert
Formulare	Regionen, Elemente und Prozesse (PL/SQL)	Direktes Editieren in einem <i>Data Grid</i>
Look & Feel	Themes and templates	Standardverhalten

# Arbeiten mit Websheets

## Vorgehensweise

1. Worksheet Anwendung bereitstellen
  - Im Application Builder
  - Als APEX Entwickler

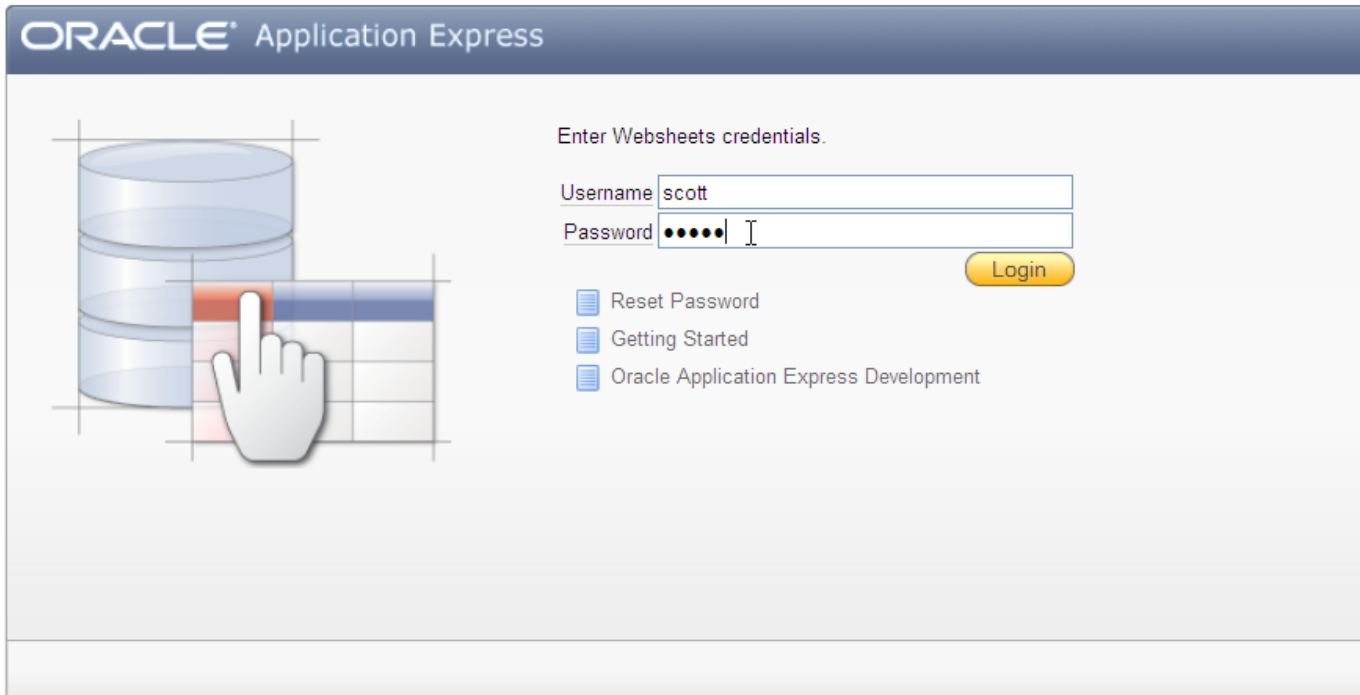
The screenshot displays the Oracle APEX Application Builder interface. On the left, a vertical navigation pane contains three buttons: 'Method', 'Define Application' (highlighted in yellow), and 'Confirm'. The main workspace is divided into two sections. The top section, titled 'Create Application', features a 'Cancel' button, a '< Previous' button, and a 'Create' button. It contains two required fields: 'Name' with the value 'Eine Worksheet Applikation' and 'Application' with the value '2058'. Below these is a 'Description' text area. The bottom section, titled 'Home Page Section', has a 'Section Name' field with the value 'Welcome' and a 'Section Contents' area containing the text 'Dies ist das erste Worksheet ...'.

# Arbeiten mit Websheets

## Vorgehensweise -II-

### 2. Login in das Websheet

- Als Admin, Developer oder einfacher User
- Ab hier kein Application Builder mehr ...



ORACLE Application Express

Enter Websheets credentials.

Username

Password

- 
- 
-

# Arbeiten mit Websheets

## Einfache Datenverwaltung

- Neues *Data Grid* erstellen

### Eine Websheet Applikation

Welcome SCOTT ( [Logout](#) ) [Feedback](#)

The screenshot displays the Oracle Websheet application interface. At the top, there is a navigation bar with tabs for 'Page', 'Data', 'Administration', and 'Help'. A search box is located on the right side of this bar. Below the navigation bar, there is a 'Home' link and 'Email' and 'Print' buttons. The main content area features a 'Welcome' message with an 'edit' link and a list of recent actions. On the right side, there is a 'Page' menu with options: 'New Section', 'New Page', 'Copy Page', 'Edit Page', 'Page Directory', 'New Data Grid' (highlighted with a mouse cursor), and 'New Report'. Below the 'Page' menu, there are sections for 'Peer Pages' (showing 'No peer pages exist') and 'Annotations' (with three 'Add View' options).

Page

Data

Administration

Help

Search

Home

Email

Print

Welcome

edit

Dies ist das erste Websheet ...

- Page created 3 minutes ago by CARSTEN.CZARSKI@ORACLE.COM
- Content last updated 3 minutes ago by CARSTEN.CZARSKI@ORACLE.COM, [View history](#)
- [Return to Oracle Application Express Development](#)

Page

- New Section
- New Page
- Copy Page
- Edit Page
- Page Directory
- New Data Grid
- New Report

Peer Pages

No peer pages exist

Annotations

- Add View
- Add View
- Add View

# Arbeiten mit Websheets

## Einfache Datenverwaltung

- Daten hochladen – *Copy & Paste*

### Eine Webservice Applikation

The screenshot shows a web application interface for uploading a spreadsheet. The main navigation bar includes 'Page', 'Data', 'Administration', and 'Help'. The breadcrumb trail is 'Home > Data > Create Data Grid'. On the left, a vertical menu contains 'Component Type', 'Creation Method', 'Properties' (highlighted in yellow), and 'View'. The main content area is titled 'Upload Spreadsheet' and contains the following elements:

- Buttons: 'Cancel', '< Previous', and 'Upload'.
- Text: 'Paste spreadsheet or other tab delimited data below.'
- Form fields: 'Name' (with a red asterisk) containing 'Hardware', and 'Alias'.
- Checkbox: 'First Row Contains Column Headings' (checked).
- Text: 'Paste Spreadsheet Data Below'.
- A large empty text area for pasting data.

# Arbeiten mit Websheets

## Einfache Datenverwaltung

- Daten hochladen – *Copy & Paste*

### Eine Webservice Applikation

Page ▾ Data ▾ Administration ▾ Help ▾

Home > Data > Create Data Grid

Component Type  
Creation Method  
**Properties**  
View

**Upload Spreadsheet** Cancel < Previous Upload

Paste spreadsheet or other tab delimited data below.

\* Name   
Alias   
 First Row Contains Column Headings

Paste Spreadsheet Data Below

8200	L	5401				
90DSLFR7		Pentium III	366	15.06.2002	Dell	
GX240	D	6588				
88LDKSUE		PowerPC G4	450	08.04.2001	Compaq	
Deskpro EN	D	5330				
HKLDU810		PowerPC G4	600	01.04.2003	Dell	
Optiplex G1	D	1399				
54FFFVDWS		PowerPC G3	800	24.10.1996	Dell	
Optiplex GXMT 5166	D	2378				
8UJJDLSKN		Pentium III	850	20.03.2000	Toshiba Tecra	
8100	L	5122				
JKEW77U	Pentium I	1700	01.03.2003		Toshiba Tecra 740	
CDT	L	2266				
OKMND876		Pentium I	1200	01.01.1998	Digital	
Hinote Ultra II L		2188				

# Arbeiten mit Websheets

## Einfache Datenverwaltung

- *Data Grid* ist direkt editierbar!

Data Grid created. [X]

Go Actions Manage Add Row >

serial#	cpu type	cpu speed	purchase date	brand	model	form factor	purchase_price
0C8765T	Pentium I	200	10/09/1998	Dell	Optiplex	D	2343
1U09CM2423	Pentium II	667	06/01/1999	Dell	Optiplex GX1	D	3256
0KBU4	Pentium III	1000	05/12/2001	Gateway	Cash Cow	L	4532
51214246AB	Pentium III	450	06/14/2001	Toshiba	Tecra 8200	L	5401
HQMHC12	Pentium IV	1700	06/15/2002	Dell	GX240	D	6588
W112FGHZ456	Pentium III	800	01/13/2001	Compaq	Deskpro EN	D	5330
2DLP1	Celeron	366			G1	D	1399
6ZQ11	Pentium I	200			GXMT 5166	D	2378
59785246GH	Pentium III	650			00	L	5122
12375936YT	Pentium I	166			0 CDT	L	2266
LTS5133	Pentium I	100			tra II	L	2188
A492CSLZE265	Pentium III	750				D	5066
3J17JZL1345	Pentium III	850			700	L	5119
UV103GAJQ105	PowerPC G3	466	11/02/2001	Apple	iBook G3	L	2900
6901R475	Pentium II	366	12/03/1999	Toshiba	Portege 7020CT	L	3321

January 2001

Su	Mo	Tu	We	Th	Fr	Sa
	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	31			



# Arbeiten mit Websheets

## Einfache Datenverwaltung in *Data Grids*

- Die "Tabelle" kann verändert werden

Data Grid created. [X]

Go Actions Manage Add Row >

serial#	cpu type	cpu speed	purchase date	form factor	purchase_price
0C8765T	Pentium I	200	10/09/1998		2343
1U09CM2423	Pentium II	667	06/01/1999		3256
0KBU4	Pentium III	1000	05/12/2001		4532
51214246AB	Pentium III	450	06/14/2001		5401
HQMHC12	Pentium IV	1700	06/15/2002		6588
W112FGHZ456	Pentium III	800	01/12/2001		5330
2DLP1	Celeron	366	04/01/1999		1399
6ZQ11	Pentium I	200	10/24/1996		2378
59785246GH	Pentium III	650	03/20/2000	Toshiba Tecra 8100	5122
12375936YT	Pentium I	166	03/01/1997	Toshiba Tecra 740 CDT	2266
LTS5133	Pentium I	100	01/01/1996	Digital Hinote Ultra II	L 2188
A492CSLZE265	Pentium III	750	06/23/1999	Compaq Deskpro EV	D 5066
3J17JZL1345	Pentium III	850	08/17/2001	Compaq Armada 700	L 5119
UV103GAJQ105	PowerPC G3	466	11/02/2001	Apple iBook G3	L 2900
6901B475	Pentium II	366	12/03/1999	Toshiba Porteeae 7020CT	L 3321

Properties  
Toggle Checkboxes  
Columns  
Rows  
Delete Data Grid  
Copy  
History

Add  
Column Properties  
List of Values  
Column Groups  
Validation  
Delete Columns

# Arbeiten mit Websheets

## Publizieren einer Webseite

- Data Grid in eine Webseite einbinden ...

Page ▾ Data ▾ Administration ▾ Help ▾

Home > Page 2 > Create Page

Define Page

Display Page

Create Page Cancel Create Page

\* Name IT Hardware

Page Alias

Parent Page Page 2 ▾

Page Section

First Section Name Welcome

Section Contents

Dies ist eine Übersicht über die Hardware in der IT Abteilung!

body p

# Arbeiten mit Websheets

## Publizieren einer Webseite

- Diagramm in eine Webseite einbinden ...

The screenshot displays the Oracle APEX application interface. At the top, there is a navigation bar with tabs for 'Page', 'Data', 'Administration', and 'Help'. Below this, a breadcrumb trail shows 'Home > Page 2 > IT Hardware > Create Section'. A notification bar at the top right states 'Data section created.' with a close button. The main content area is divided into two sections: 'Welcome' and 'IT Hardware'. The 'Welcome' section contains a message: 'Dies ist eine Übersicht über die Hardware in der IT Abteilung!'. The 'IT Hardware' section features a search bar with the text 'dell' and a 'Search' button. Below the search bar is a table with the following data:

serial#	cpu type	cpu speed	purchase date	brand	model	form factor	purchase_price
0C8765T	Pentium I	200	10/09/1998	Dell	Optiplex	D	2343
1U09CM2423	Pentium II	667	06/01/1999	Dell	Optiplex GX1	D	3256
HQMHC12	Pentium IV	1700	06/15/2002	Dell	GX240	D	6588
2DLP1	Celeron	366	04/01/1999	Dell	Optiplex G1	D	1399
6ZQ11	Pentium I	200	10/24/1996	Dell	Optiplex GXMT 5166	D	2378
BHDYO87	Pentium III	600	10/27/2001	Dell	Optiplex	D	5276
KLJH98798YUTU	Pentium III	1200	06/12/2002	Dell	Latitude C610	L	5170
GF0U654540IU	Pentium III	450	10/24/2001	Dell	Latitude CS	L	5120
FL4Q321	Pentium III	2400	12/10/2002	Dell	GX260	D	6267

# Arbeiten mit Websheets

## Publizieren einer Webseite

- Neue Section hinzufügen (Diagramm)

Section Type

Chart Type

Chart Source

**Chart Definition**

Create

**Create Chart Section** Cancel < Previous Next >

Dies ist eine Übersicht über die Hardware in der IT Abteilung!

\* Chart Labels  
Chart Values

Function  
Sort

**Hardware (Übersicht)** edit

Brand	Value (approx.)
Dell	55,000.00
Toshiba	35,000.00
Compaq	28,000.00
Apple	20,000.00
Gateway	10,000.00
Digital	5,000.00

IT Hardware edit

Search:  Search

serial#	cpu type	cpu speed	purchase date	brand	model	form factor	purchase_price
00000000000000000000000000000000							

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