

DISRUPT

END USER COMPUTING FORUM 2018

EUC in Healthcare



AGENDA

- Introductions
- Healthcare today
- Landschaftsverband Westfalen-Lippe
- Questions and Answers
- Wrap Up

Healthcare Industry:

- The Global Spend on Healthcare is \$6.45T*
 - The US accounts for \$2.9T
 - The US spends > 17% of GDP on Healthcare
 - US projected to spend \$4.6T by 2020
- US ranks 38th in terms of “Health Outcomes”
- Healthcare is in a state of change
- IoT is coming to Healthcare
- Opioid addiction is a crisis
- Aging Population is increasing the demand
- Doctor shortage is impacting the supply











Security

- Medical Records valued at \$60 each (CC data = \$1 each)

Performance

- 17.4 mins per patient

European Healthcare:

Country	Overall ranking	Total score	Patient rights and information score	Accessibility (waiting times for treatment) score	Outcomes score	Range and reach of services score	Prevention score	Pharmaceuticals score
 Netherlands	1	927	122	200	288	125	107	86
 Switzerland	2	904	111	225	288	94	101	86
 Norway	3	865	125	138	288	115	119	81
 Belgium	4	860	104	225	250	109	95	76
 Iceland	5	854	115	163	288	115	113	62
 Luxembourg	6	851	101	200	263	104	107	76
 Germany	7	849	104	188	288	83	101	86
 Finland	8	842	108	150	288	115	101	81
 Denmark	9	827	111	150	275	115	95	81
 Austria	10	826	108	200	238	99	101	81

SPARROW CLIENT/SERVER TEAM

- Servers: 1,300 (1,200 virtual)
- Citrix Sessions: 3,000 concurrent (peak)
- Applications: 300+
- 7 Windows Server Engineers
- 8 Citrix/Endpoint Engineers



Sparrow uses Coretek in many of its endpoint and Microsoft related efforts as a design and implementation partner.

EMR/EHR

User Mgmt

App Mgmt

Printing

Authentication

Client Mgmt

Client H/W

Connectivity

Hypervisor

Server

Storage

Epic

AppSense

System Center

PrinterLogic

Plus
Technologies
Enterprise Software

imprivata

IGEL

Lenovo

CITRIX
XenApp

vmware
vSphere

CISCO
UCS

PURE
STORAGE

INTRODUCTIONS



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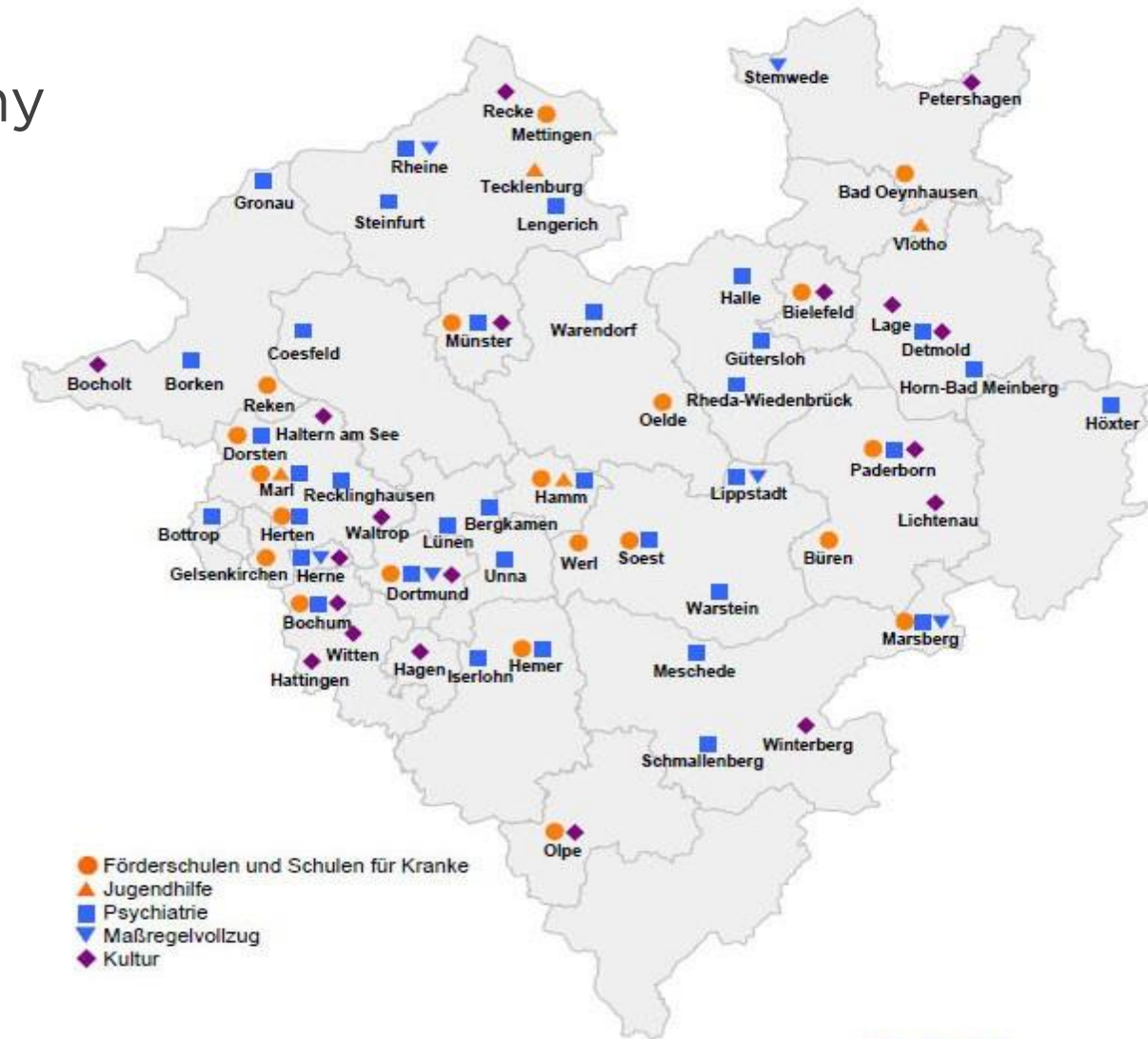


Roman Kolbe

Landschaftsverband Westfalen-Lippe

Landschaftsverband Westfalen-Lippe

- Headquarters: Münster, Germany
- Hospitals: 21
- Data Center: 17 / 820 Server
- Schools/Museum: 52
- Employees: 16,000
- User Count: 10,000+
- Desktops: 10,000
- IGEL Clients: 3,500
- Website: lwl.org
- <http://www.facebook.com/LWL2.0>



Facts and Figures

IGEL at LWL

- 15 years of working with IGEL
- UMS 5
- UD2 and UD3 with Linux
- UDC2 and UDC3 for fast migration
- UDPocket for Homeoffice

Software at LWL

- Citrix HDX/ICA
- EHR/EMR Nexus Medicare
- Microsoft Office
- Dictation Grundig Dictasoft
- Video surveillance

Virtues with IGEL

Past

- Compared IGEL with other TC vendors
- Consolidate the IT from former 16 different IT departments
- UMS with the most advantages
- VNC integration

Present

- Digital dictation
- eGK (German)
- Home offices with IGEL
- Support for different Linux Firmware
- Video surveillance

Future

- SSO
- IGEL Cloud Gateway
- Video instructions for users
- Mobil Devices / Home offices

Questions and Answer

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Hospital IT and Clinical Staff Endpoint Device



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Healthcare References:

Healthcare Case Studies:

- Welsh Health Board
- University of North Carolina Health Care
- Cleveland Area Dialysis Center
- Hospitalier Verdun
- Kantonale Psychiatrische Dienste St Gallen

Healthcare White Papers:

- How to Protect Endpoints in a Healthcare Setting
http://www.citrixreadyprogram.com/2017/cr_vertical_solutions/#healthcare

Healthcare Webinars:

- Sparrow Health



Thank you for attention