

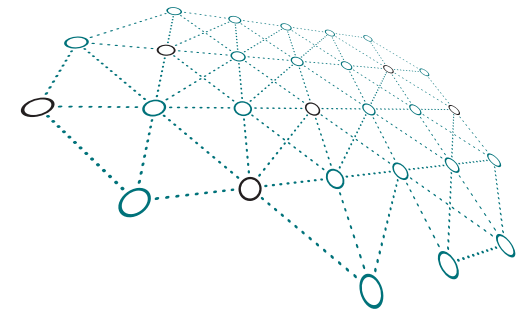
Open Source

Jacob Andersen, ph.d.
Alexandra Instituttet
jacob.andersen@alexandra.dk



STIFTELSEN FOR SOFTWAREBASEREDE SUNDHEDSSERVICES

Historien



- Startede som (flere) bevægelser i '80erne
 - Primært på tekniske universiteter og blandt "it-nørder"
 - Forretningen (selv hos tech-firmaer) forstod det ikke



Ballmer: I may have called Linux a cancer but now I love it

Former Microsoft chief Steve Ballmer once considered Linux users a bunch of communist thieves and saw open source itself as a cancer on Microsoft's intellectual property. But no more.

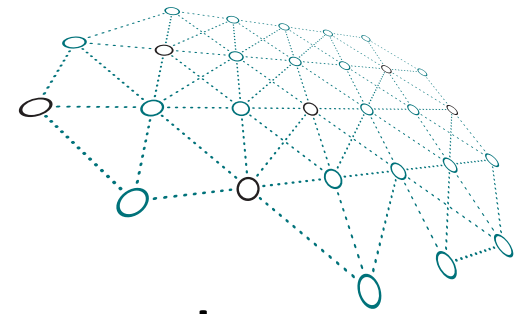


By [Liam Tung](#) | March 11, 2016 -- 12:22 GMT (12:22 GMT) | Topic: [Enterprise Software](#)

- Hvilket nu (omsider) er under forandring 😊



Historien



- Store “it-successer” er grundlagt på at sælge services på en platform af primært OSS.



- Stigende popularitet og udbredelse
 - ikke mindst pga. Internettet og *aaS

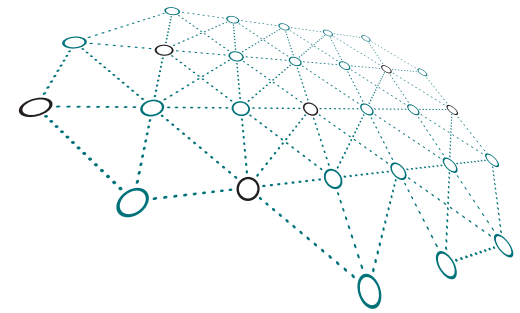


Tendenser i tiden



- Platforme træder i baggrunden som produkt og transformeres til services
 - MS Windows til private
 - MS Office rykker i skyen
- SW kompleksitet ↑ men pris ↓
 - Ikke rentabelt med ren closed source
- Offentlig fokus på OSS
 - England
 - DK (OS2, 4S...)
 - EU





joinup

Welcome Jacob Andersen
[My Dashboard](#) or [Logout](#)



European Commission

Share and reuse Interoperability solutions for public administrations

[European Commission](#) > [ISA²](#) > [Joinup](#) > [Communities](#) > [Osor](#) > [Welcome](#)



Find solutions



Share and Collaborate



Keep up-to-date

Find communities

My Communities

Recommended

Editor's Choice



Open source observatory



Leave this community

Overview

Description

Implementat...

EU Solutions

Share & Reuse

Worldwide

Innovation Champions

OSOR Case Studies

Solutions of the month

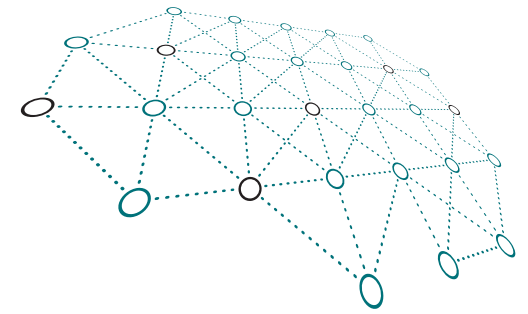
Members list

The Open Source Observatory is a community for exchanging information, experiences and best practices around open source solutions for use in public administrations. We help you find open source software made available by other public administrations, and solve issues related to development. OSOR lets you share your own solutions. This is the place to learn from best practices in Europe and around the world. Join us! Join the OSOR; get access to the latest news & events, learn about ...

[Learn more](#)



OSS anvendelser



- Typiske steder, man møder OSS:

- Operativsystemer



- WWW



- Biblioteker



Bootstrap



ANGULARJS



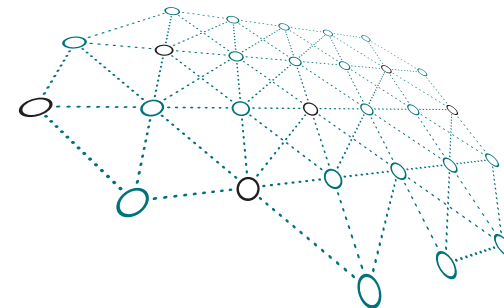
- I overskrifter:

- Standardfunktionalitet

- Interoperabilitet



OSS i medicinsk udstyr



The
Economist

World politics

Business & finance

Economics

Science & technology

Culture

Technology Quarterly: Q2 2012

Open-source medical devices

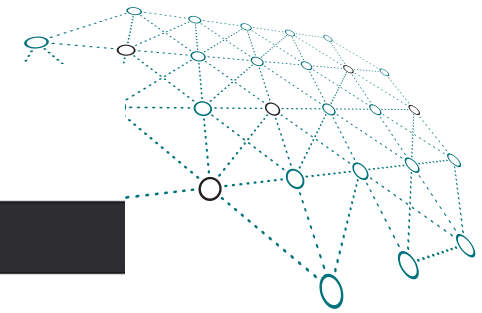
When code can kill or cure

Medical technology: Applying the “open source” model to the design of medical devices promises to increase safety and spur innovation

Jun 2nd 2012



STIFTELSEN FOR SOFTWAREBASEREDE SUNDHEDSSERVICES

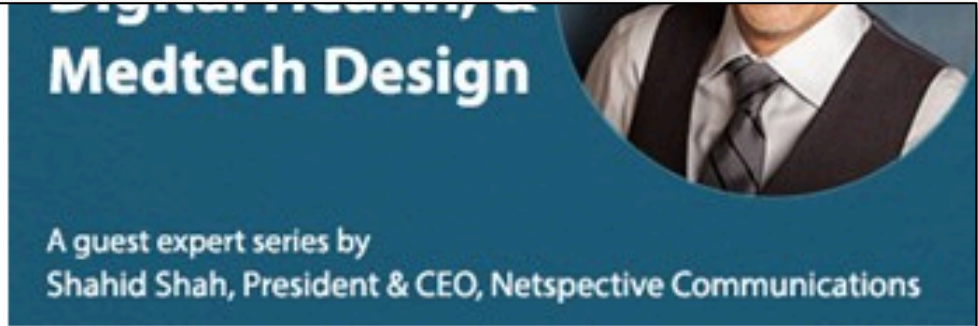


10 Steps To Overcome Your Fear Of Using Open Source Software

By Shahid Shah, president & CEO, Netspective Communications

Follow me on Twitter [@ShahidNShah](#)

critical systems. The most common excuse given by engineers is that the regulatory compliance folks will not allow OSS or that the FDA will disapprove. There is plenty of evidence to the contrary, however, because the FDA hasn't really rejected devices due solely to the use of OSS. The lack of OSS use in medical devices and healthcare IT circles in most cases likely stems from a lack of experience with OSS at the senior executive and regulatory compliance ranks within companies. This



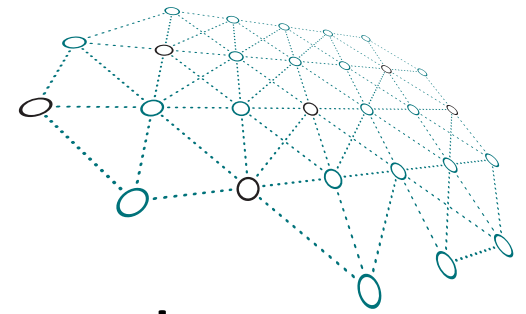
Medtech Design

A guest expert series by
Shahid Shah, President & CEO, Netspective Communications

lack of OSS use in medical devices and healthcare IT circles in most cases likely stems from a lack of experience with OSS at the senior executive and regulatory compliance ranks within companies. This is a summary of a quick 10 step process that R&D groups can use to properly experiment with and include OSS in safety-critical systems.



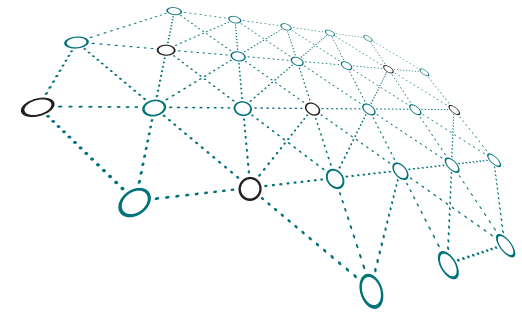
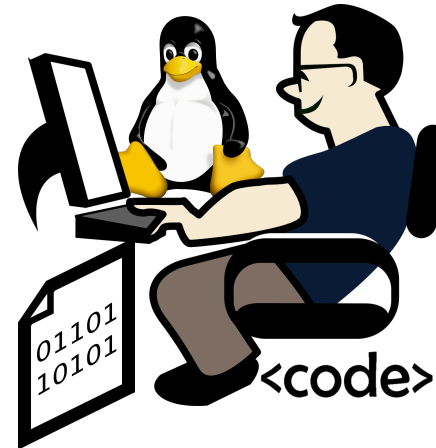
Debatemner



- Hvilke kriterier afgør, om en komponent bør være OSS eller lukket?



OSS vs. lukket



- Hvor mange har kodet deres egen
- Hvorfor ikke?

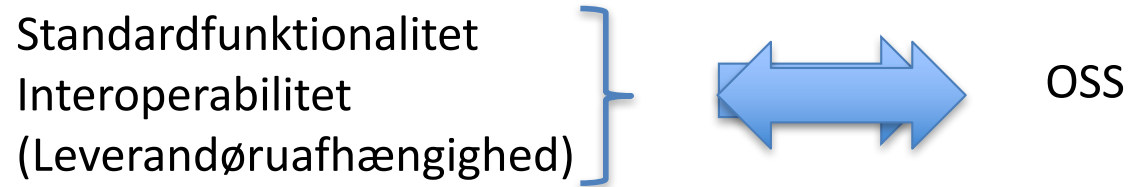
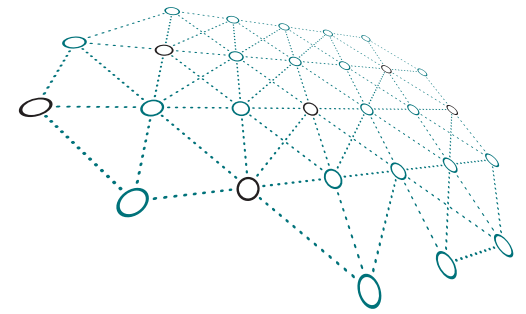
Kræver dyb specialisering

Softwarebibliotek mere sikkert og gennemtestet

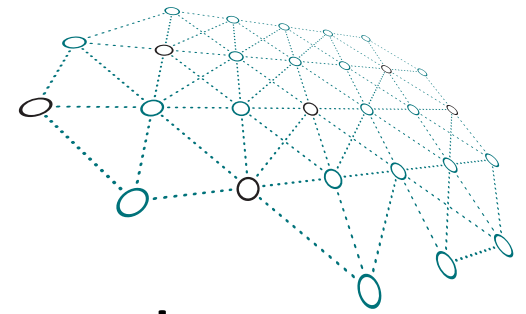
Gode open source alternativer

- Bemærk at eksemplerne kun sjældent giver værdi for brugeren, men er underliggende teknik, der bare skal virke.
 - Teknik eller standardoverholdelse er kun sjældent en konkurrenceparameter. I stedet er det den værdi, man skaber for brugerne (funktionalitet, UI/UX, pris)
 - Tilsvarende gælder for understøttelse af Referencearkitekturen og diverse andre underliggende teknologier, (måledata, spørgeskemaer, logistik, PAS integration, kalender, video mv.)

OSS vs. lukket

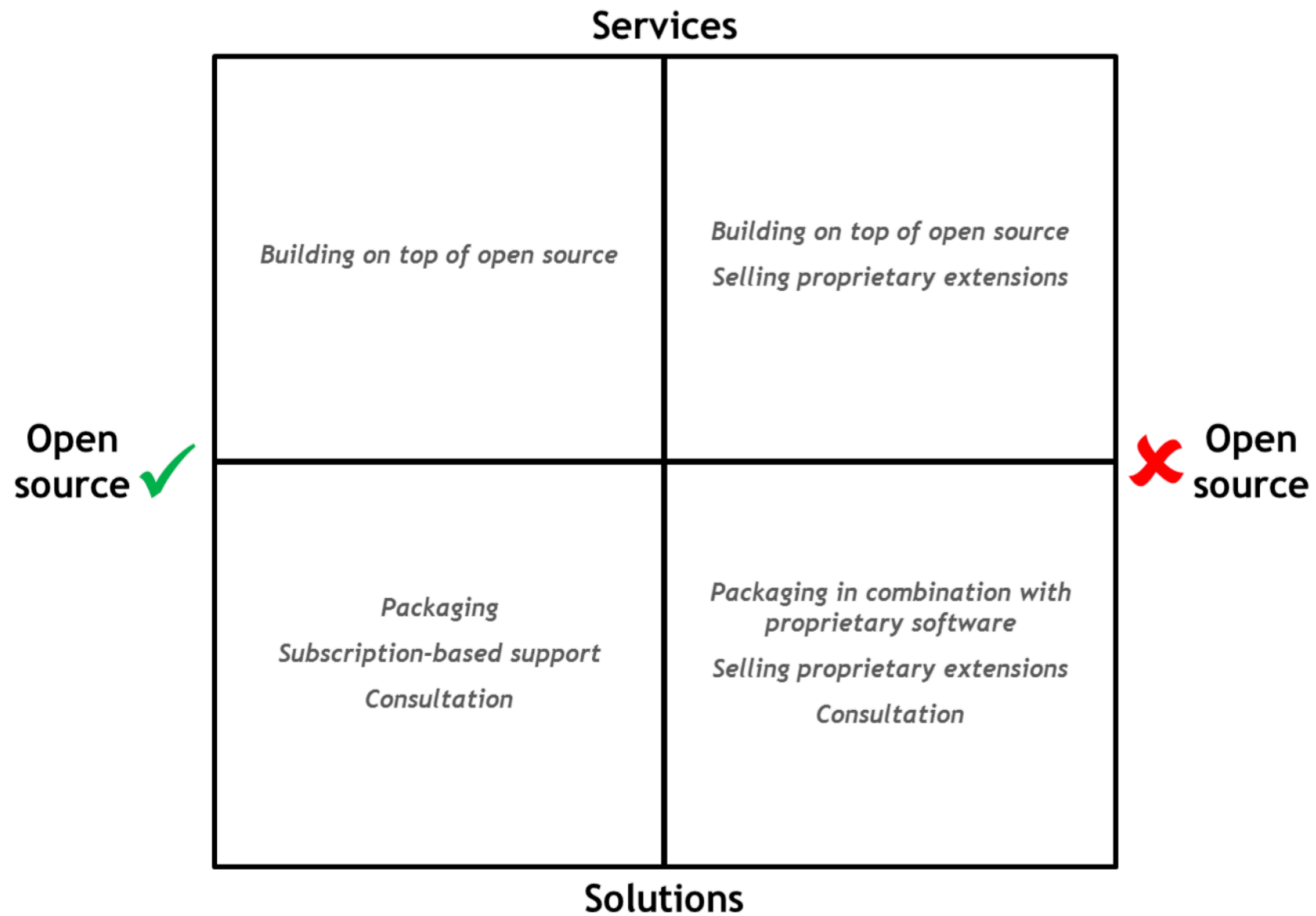
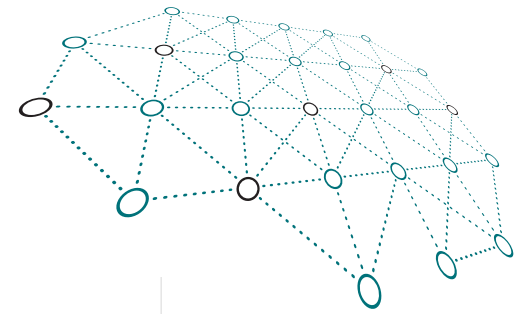


Debatemner

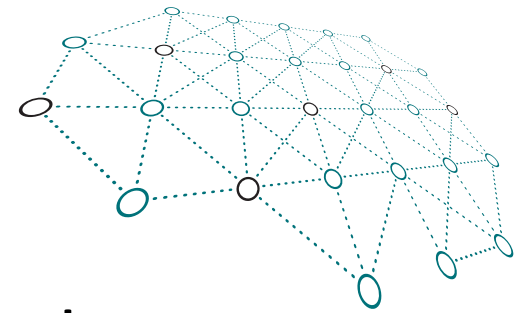


- Hvilke kriterier afgør, om en komponent bør være OSS eller lukket?
- Hvor ser du dine forretningsmuligheder?
 - abonnementsbaserede services,
 - konsulentbaserede services, bygge produkter baseret på OSS, udvikle lukkede udvidelser til OSS, etc.



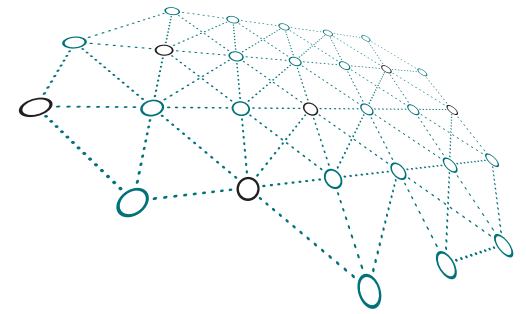


Debatemner



- Hvilke kriterier afgør, om en komponent bør være OSS eller lukket?
- Hvor ser du dine forretningsmuligheder?
 - abonnementsbaserede services, konsulentbaserede services, bygge produkter baseret på OSS, udvikle lukkede udvidelser til OSS, etc.
- Finansiering af OSS
- Governance af OSS
- (Kvalitetssikring af OSS)





Tak for opmærksomheden!

<http://4s-online.dk>

jacob.andersen@alexandra.dk



STIFTELSEN FOR SOFTWAREBASEREDE SUNDHEDSSERVICES