

Open Gouvernement via Open Source

May 12, 2010

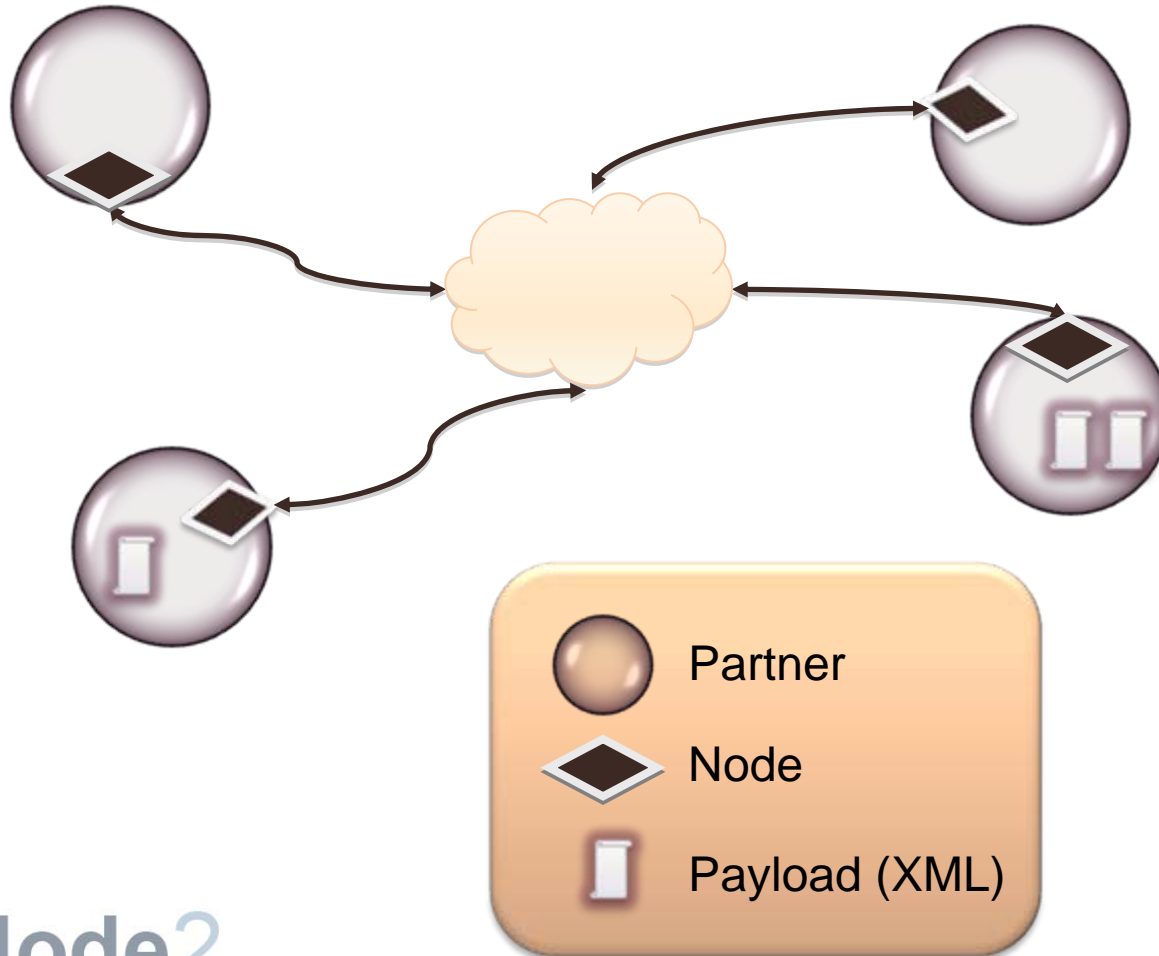
Guy Outred, Windsor Solutions, Inc.

Topics

- **OpenNode2 – an open source government project**
- **Benefits of open source solutions**
- **Challenges with open source solutions**
- **Open Government**
- **Pay it Forward**



The Network = Nodes + Flows

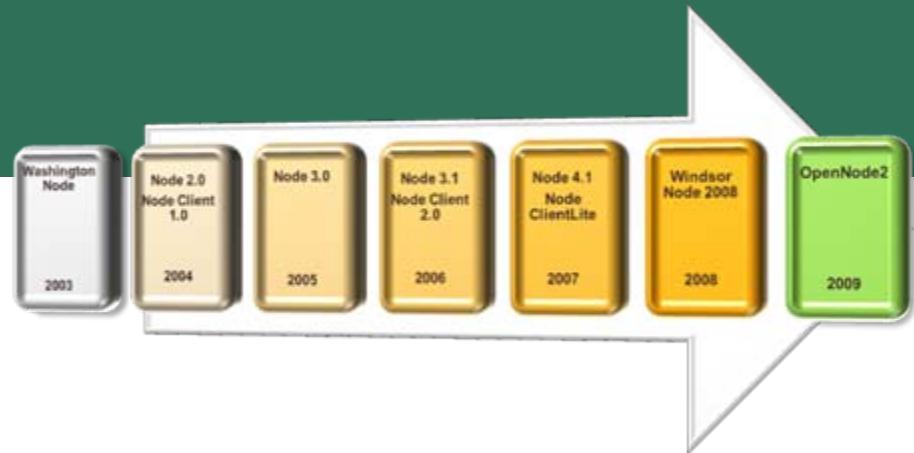


OpenNode2 – the EN’s Open Source Node

- Released in early 2009 to the Exchange Network (EN) community
- Currently used by over 80% of the exchange partner agencies, and growing
- Adopted by
 - State environmental agencies
 - Tribes,
 - Other state agencies (e.g., health and agriculture)
 - Foreign governments
- Funded by federal EN funds



Node Contributors



Alaska Department of Environmental Conservation
Arizona Department of Environmental Quality
Arkansas Department of Environmental Quality
California Environmental Protection Agency
Colorado Department of Public Health and Environment
Connecticut Department of Environmental Protection
Georgia Department of Natural Resources
Hawaii Department of Health
Iowa Department of Natural Resources
Illinois Environmental Protection Agency
Kansas Department of Agriculture
Kansas Department of Health and Environment
Marianas Islands Department of Environmental Quality
Massachusetts Department of Environmental Protection
Minnesota Pollution Control Authority
Missouri Department of Natural Resources
Nebraska Department of Environmental Quality
Nevada Division of Environmental Protection
New Mexico Environment Department

New York Department of Environmental Conservation
New York Department of Health
North Dakota Department of Health
Oklahoma Department of Environmental Quality
Oklahoma Department of Agriculture
Pollution Prevention Resource Council
Snohomish County, Washington
Stillaguamish Tribe of Indians
Seldovia Village Tribe
Tennessee Department of Environment and Conservation
USGS
Washington Department of Ecology
Washington Department of Natural Resources
Wyoming Department of Environmental Quality



New-BSD Open Source License Language

Copyright (c) 2009, The Environmental Council of the States (ECOS) All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of the ECOS nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.



Benefits of Government Open Source

- Cost savings + with no strings attached
- Shared investment and institutional knowledge
- Doesn't stifle individualism
- Allows both private and public contribution
- Standardization

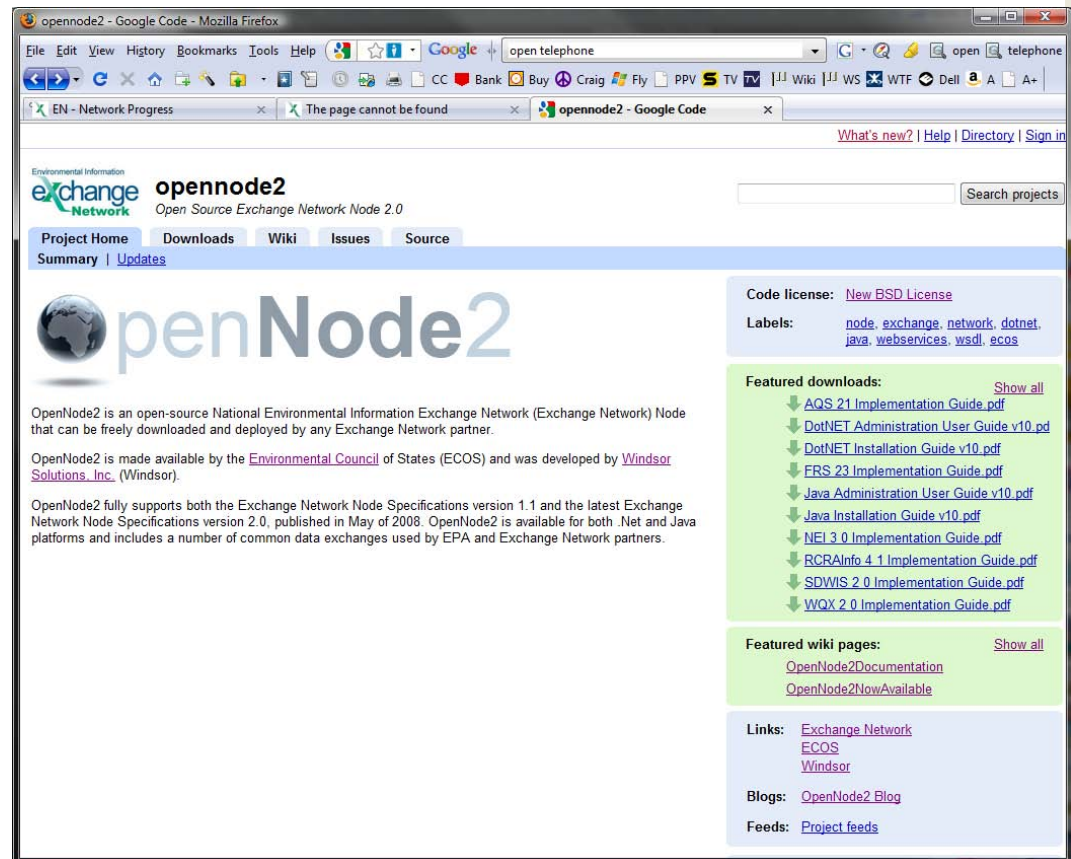
Challenges of Government Open Source

- Finding a common-thread solution
- Variation in user technologies and infrastructure
- Collaborative funding
- Code management and version control

Open Source Repository

www.exchangenetwork.net/opennode2

- File distribution
- Dedicated wiki
- Version control
- Issue tracker



The screenshot shows a web browser window displaying the OpenNode2 project page on Google Code. The page features the Exchange Network logo and the text "opennode2 Open Source Exchange Network Node 2.0". It includes navigation tabs for "Project Home", "Downloads", "Wiki", "Issues", and "Source". The main content area contains the "openNode2" logo and a description of the project as an open-source National Environmental Information Exchange Network (Exchange Network) Node. It also lists featured downloads such as "AQS 21 Implementation Guide.pdf" and "DotNET Administration User Guide v10.pdf". A sidebar on the right provides information about the code license (New BSD License), labels, and featured wiki pages.



Open Government via OpenNode2

- **Publishes Government Information**
 - Web services, publishing
- **Improves the Quality of information**
 - More data, more eyes
- **Creates a Culture**
 - Wiki, open source repository, user groups, webinars

Opening Up. Paying it Forward

- Open Source is not 'free', it is communal
- Reusability is surging
- Don't reinvent the wheel, invent the wheel machine
- Architect for reuse, plan for growth

