

OVF Standards Work

International Standards:

ISO/IEC17203:2011 Open Virtualization Format Specification

DMTF Standards:

DSP0243 2.0 Open Virtualization Format Specification

DSP8023 2.0 OVF Envelope XSD

DSP8027 1.0 OVF Environment XSD

DSP0265 1.0 Profile to Enable Automated Deployment of OVF Package

DMTF In Development:

DSP0243 2.1 Open Virtualization Format Specification

DSP0213 1.0 Profile to Enhance Portability of OVF Package

DSP2017 2.0 OVF Whitepaper

DSP2021 2.0 OVF Package Example

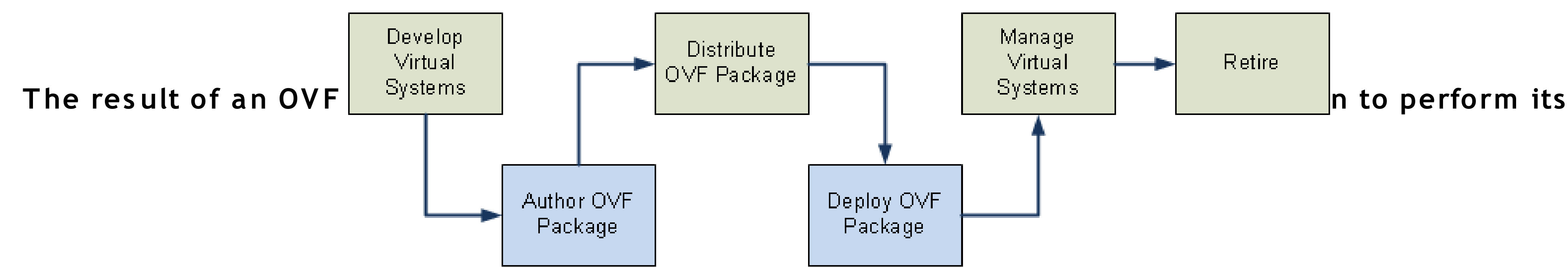
Key Technologies

- **OVF** descriptor uses 'XML' for representing the metadata used for deployment.
- **OVF** metadata is partly based on the DMTF Common Information Model – makes mapping metadata to runtime environment foolproof.
- **OVF** metadata is extensible making it capable of meeting the need for complex custom configurations

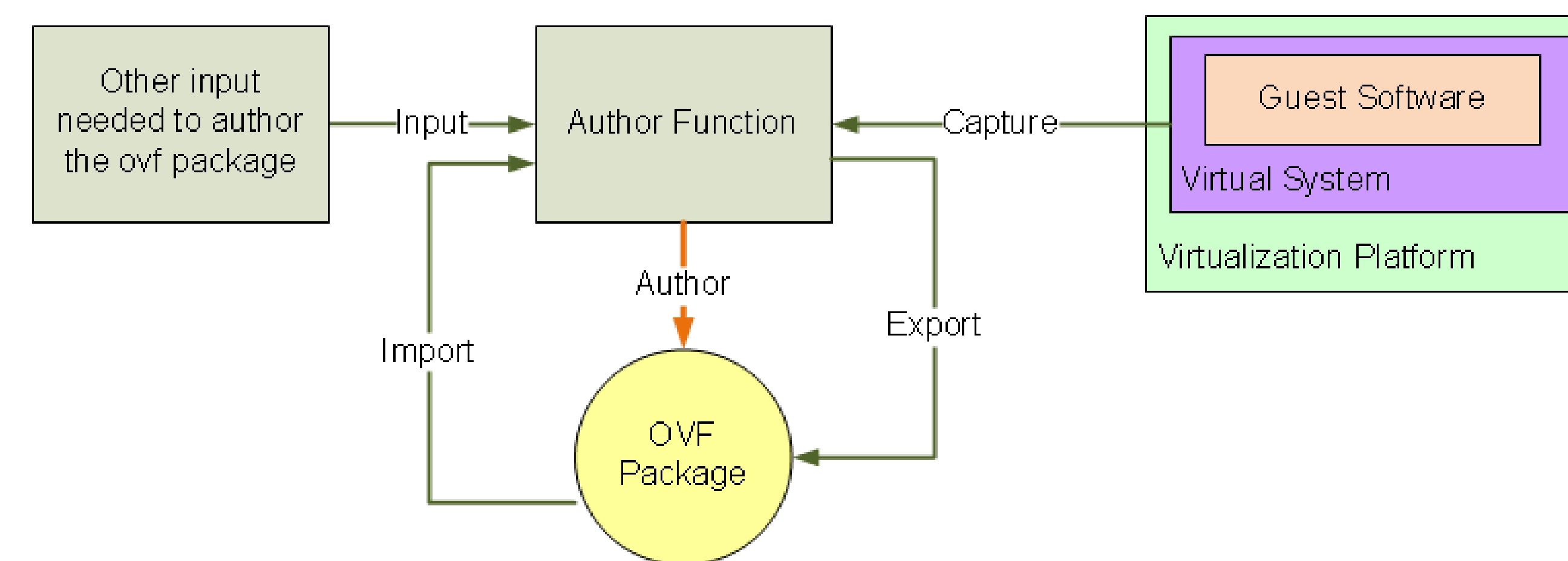
Key Benefits

- Standard packaging for virtual appliances
- Multiple virtual machine capable
- Encryption for secure distribution
- Manifest for package validation
- Ease of distribution for ISVs
- Platform independent packaging
- Extensible schema to meet custom configuration
- Localizable for country specific needs
- Inherent interoperability

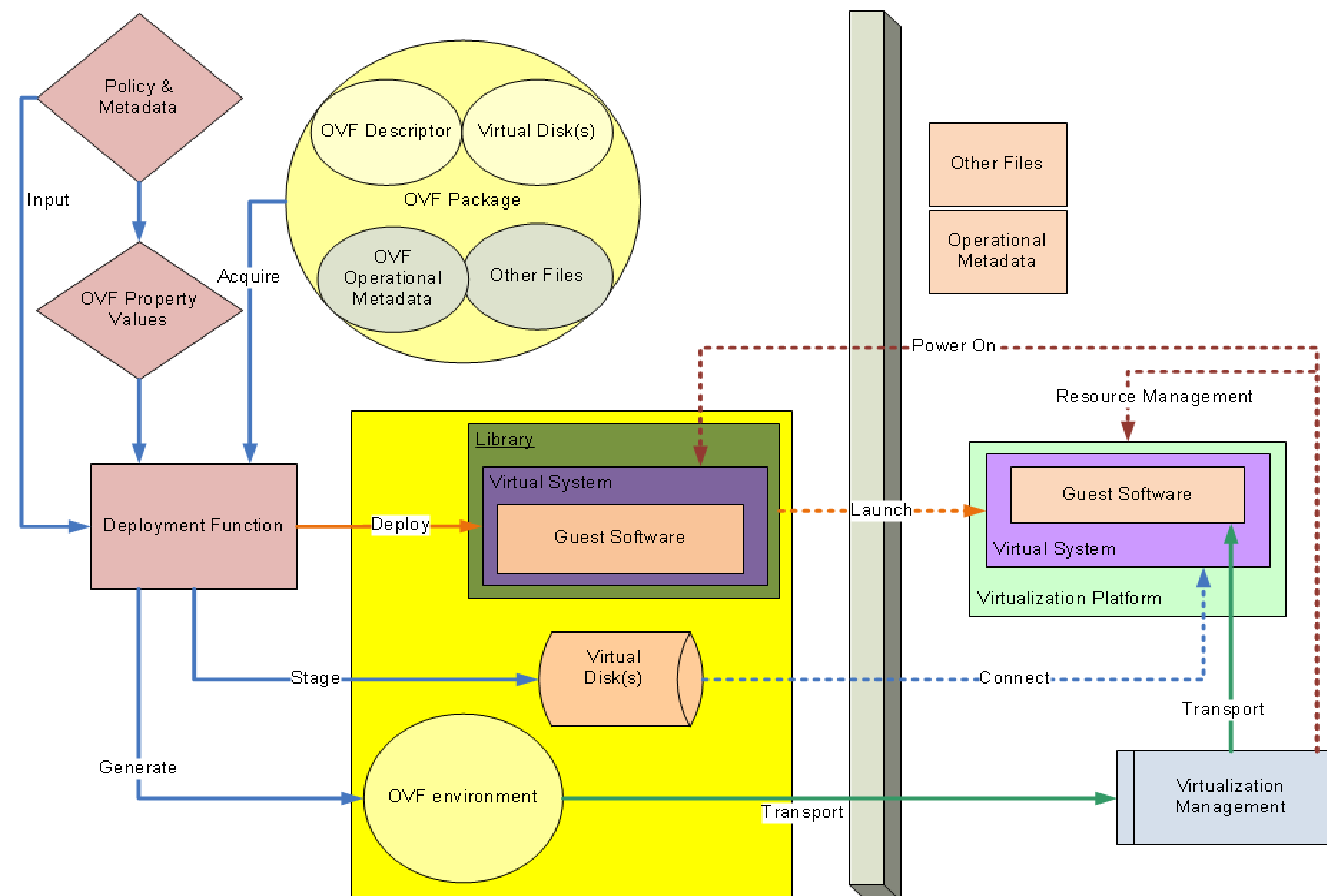
OVF Lifecycle



OVF Authoring



OVF Deployment



OVF Standards Work

- Initial draft submitted to DMTF in 2007
- DMTF DSP0243 1.0 standard in February 2009
- DMTF DSP0243 1.1 standard in January 2010
- ANSI/INCITS 469-2010 Standard 2010
- ISO/IEC 17203 standard in August 2011

OVF 2.0 Features

- Support for Placement Policies
- Encryption of OVF Packages
- Disk Sharing at Runtime
- Device Boot Order
- Mechanism to Pass Information to Guest S/W
- Improved I18N Support
- Support for Network Port Profiles

OVF 2.1 Features Being Considered

- Scaling Policy
- Advanced Virtual System Deployment Policy
- Network Policy
- Handling of Operational Metadata

VCM Forum

The goal of the VCM Forum is validation and interoperability of the system virtualization, cloud management and OVF standards.

www.dmtf.org/ovf
www.dmtf.org/vman



Contact Information

www.dmtf.org
 Published standards at:
http://dmtf.org/standards/published_documents

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