

Linux Foundation
OpenPrinting

CPD – Being Common

Common Print Dialog

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**CPD
Being
Common**

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CPD Being Common

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Objective

- **Make CPD Common but Adaptable**
 - **Common Applies To ...**
 - The Application Programming Interface to the CPD
 - The Print Solution or Platform Interface to the CPD
 - The Print Job Ticket objects, elements, attributes and values.
 - The User Print Dialog terms and meaning that don't change.
 - The managed Application, Platform and Print-Vendor extensions
 - **Adaptable Applies To:**
 - The User Interface is based on the Human Interface Guide (HIG) for the target Solution, Platform and/or Application
 - The User Interface is scalable based on target Solution, Platform, Application and/or User preferences.
 - The User Interface is extensible by the target Solution, Platform, Application and/or Print-Vendor.



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Current State of Affairs

- **CPD is 5 years old**
 - Since CPD was identified as a project and need by OpenPrinting:
 - A prototype level new print dialog UI has be proposed and documented.
 - Prototype code as been started and is on-going.
- **CPD in the next ~~5~~^{!?!?!?} years**
 - If the need still exist for the CPD to “be common”; then ...
 - a common approach to the UI is necessary.
 - If the need still exist for the CPD to “have a default UI”; then,
 - a generic CPD UI is necessary.
 - If the need still exist for the CPD to “manage extensions”; then ...
 - an the establishment of extension registry is necessary
 - If the need still exist for a CPD “approach to print dialog”; then ...
 - a set of OpenPrinting Guidelines is necessary.

AND IT CAN NOT TAKE 5 MORE YEARS

← NO !!! SO, IS THERE A NEED FOR THE CPD !!! Yes →

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CPD – To Being Common

- **An Approach to being Common:**
 - Identify Applications, Solutions, Platforms and Distro's that will represent the basis of CPD.
 - Applications: _____, _____, _____, _____
 - Solutions: _____, _____, _____, _____
 - Platforms: _____, _____, _____, _____
 - Distro's: _____, _____, _____, _____
 - Locate HIG for each Application, Solution, Platform and Distro identified above.
 - Document the common and unique HIG factors for and between all above Applications, Solutions, Platforms and Distro's.
 - Develop a CPD specification that provides coherence and exceptions of the above Applications, Solutions, Platforms and Distro's.
 - Identify new parts only where absolutely necessary.

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CPD – OpenPrinting Guidelines

- While the “look-and-feel” of a specific CPD might change, an “OpenPrinting Guidelines” will provide
 - Definition of objects, elements and attributes
 - Definition ranges or the set of extensible and non-extensible values
 - Groupings of related objects, elements and attributes
 - Interrelationships between objects, elements, attributes and their values
 - Constraints between objects, elements, attributes and their values

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CPD – Managing Extensions

- Extensions; Application, Print Vendors, Solution/Platform always exist BUT they are unmanaged.
 - Example: How many names are in the world for Photo Paper – uncountable.
 - Example: What is the correct: Pixel-Per-Inch, Dot-Per-Inch, Resolution
 - Example: Print Vender Private MIBs. Every conceivable name for just about every conceivable printing object, attribute or value is used today. I bet that even within a single print vendor there is little commonality. So how can user cope.
- Who is the only group that is confused
 - The User's
 - Users are not print/printing, application-specific, solution/platform-specific domain experts. They don't know or want to become domain specific experts. Therefore, they still the same experience or expectation everywhere (common).
- Beyond the OpenPrinting Guidelines there exist the need for a registry of terms, acronyms and values such that anyone wanting to add an extension to CPD MUST use values in the registry. In the event a truly new "item" is needed, then it should be defined in such a way to coherent with the rest of the registry.

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