XDG-Shell Support for IVI-Shell

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Motivation & Benefits of XDG-Shell Support

- xdg-shell is supported by freedesktop.org, which is building a base platform for desktop software

- Desktop applications can be run natively on ivi systems

- Open source frameworks can be supported out of the box, such as:

  - GNOME
  - K
  - Qt
  - gstreamer
XDG-Shell Architecture

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ID generation of xdg-shell applications
- Talked to GNOME shell team about ID generation in desktop environment
- Set app ID is not mandatory in xdg-shell protocol

Default behaviour for xdg-shell applications
- E.g. default layer

Implementation of remaining libweston-desktop api functions
Should ivi-application protocol be deprecated?

- It is only used to assign surface IDs to application surfaces
- Every application has to be modified to include unique IDs
- IDs are not portable across projects
- Set app ID is not mandatory in xdg-shell protocol
Should ivi-application protocol be deprecated?
Please find my PoC on github: https://github.com/mtey/

Steps for deployment:

1. git clone https://github.com/mtey/weston.git
2. git checkout adit_v2.0_devel_xdg_support
3. git clone https://github.com/GENIVI/wayland-ivi-extension
4. use tag 1.13.0 in wayland-ivi-extension
Thank you for your attention!

Are there any questions?