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New Wayland Protocol Proposed For VNC/Remote Software

Written by [Michael Larabel](#) in [Wayland](#) on 25 October 2026 at 11:05 AM EDT. [29 Comments](#)

 **WAYLAND** Prominent Wayland developer Simon Ser sent out a merge request today for introducing the new ext-transient-output protocol. With ext-transient-output, it's intent is for helping remoting software like VNC servers in a Wayland world.

The ext-transient-output protocol is akin to ext-transient-seat but for Wayland outputs (wl_output). The ext-transient-seat protocol allows privileged clients to create independent seats dynamically. These transient seats paired with virtual keyboard/pointer input protocols are useful for remote desktop / VNC software while ext-transient-output will take care of the dynamic output support for privileged clients. The virtual outputs can then be captured via ext-image-copy-capture and displayed by a remote client.

 wayland / wayland-protocols / Merge requests / 1546

ext-transient-output: new protocol

 Open **Simon Ser** requested to merge  emersion/wayland-protoco

[This merge request](#) posted today lays out the proposed protocol. The protocol proposal is summarized as:

"The transient output protocol can be used by privileged clients to create independent virtual outputs that will be removed from the compositor when the client destroys the object.

This protocol is intended for use with output capture protocols such as "ext_output_image_capture_source_manager_v1" for remoting use-cases.

The "wl_output" global created by this protocol is not tied to a particular hardware device."

So far there is **We value your privacy** [s draft merge request](#).

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About The Author

Michael Larabel is the principal author of Phoronix.com and founded the site in 2004 with a focus on enriching the Linux hardware experience. Michael has written more than 20,000 articles covering the state of Linux hardware support, Linux performance, graphics drivers, and other topics. Michael is also the lead developer of the Phoronix Test Suite, Phoromatic, and OpenBenchmarking.org automated benchmarking software. He can be followed via [Twitter](#), [LinkedIn](#), or contacted via [MichaelLarabel.com](#).

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