

# ANSYS Electromagnetic Update in 2019 R3

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## Electromagnetic:

ANSYS 2019 R3 delivers electromagnetic field simulation solutions to aid our customers' pursuit of the engineering megatrends of autonomy, 5G connectivity and electrification. New features include:

1. Expansion of **ANSYS Cloud** offering to ANSYS Electronic Desktop — users of **ANSYS HFSS**, **ANSYS Maxwell** and **ANSYS Q3D Extractor** can now benefit from high-performance computing options available in ANSYS Cloud.
2. ANSYS HFSS receives significant upgrade in distributed memory solver speed.
3. ANSYS HFSS and ANSYS HFSS SBR+ include new capabilities for modeling and post-processing complex radar cross section scenarios required for autonomous system simulation.
4. Creeping wave physics has been added to ANSYS HFSS SBR+, a significant new capability to accurately predict radar cross section of large targets with curvatures.
5. Dramatic speed improvements for simulating **IC packages and PCB's** with the HFSS regions in Slwave hybrid solution — HFSS regions can now be distributed across compute resources and solved in parallel.