Michael Rapoport, Math. Inst. Univ. Bonn, Dept. of Math. U. of Maryland
Purity for $\mathcal G$-bundles

A well-known classical theorem states that a vector bundle over the punctured spectrum of a regular noetherian local ring of dimension two extends uniquely to a vector bundle over the whole spectrum. I will discuss variants of this purity theorem for $\mathcal G$-bundles. As an application, I will compare parabolic bundles in the sense of Balaji-Seshadri and of Pappas-Rapoport.