Onsager algebras and Grothendieck's dessins d'enfants

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It is a relative recent discovery that the affine Kac—Moody Lie algebras can be defined as torsors over the punctured line. I will review this approach and use it as motivation to introduce a new family of "three-pointed" algebras that are parametrized by dessins d'enfants.

Part of this work is joint with V. Chernousov and P. Gille.