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Let  $S$  be a finite subset of the Riemann sphere. It is an immediate consequence of the Riemann-Hilbert correspondence that the differential Galois group of the family of all regular singular differential equations with singularities inside  $S$  is the proalgebraic completion of the free group on  $|S| - 1$  generators. In this talk we will discuss generalizations of this statement to infinite  $S$ . In particular, we will determine the differential Galois group of the family of all regular singular differential equations on the Riemann sphere.