The aim of this dissertation is to analyze the morphosyntactic valency of Verbs in Croatian and Czech language by using the contrastive method. The introduction shows the development of the syntactic theory of valence from L. Tesnire until today. Here are explained disputable questions about the theory of valence, and also types of valence positions and the number of valence components. In the main part of dissertation are described similarities and differences of the morphosyntactic valency of verbs in Croatian and Czech language by using the contrastive method. The Chapter Cases without preposition in Croatian and Czech language shows which verbs requires in Croatian and Czech language valence components without prepositions in nominative, genitive, dative, accusative and instrumental. The Chapter Preposition Valence shows what kind of valence positions some prepositions in Croatian and Czech language have. Prepositions which are described in dissertation are: without, to, by, along, within, around, toward, except, but, beside, out of, beyond, between, over, above, in, on, at, from, of, with, off, under, bellow, beneath, for, because of, in front of, before, ahead of, against, through, with, near...The Chapter Infinitive as a valence component describes which verbs have infinitive as a valence component in Croatian and Czech language. The Chapter Adverbial phrase and valency explains when adverbial phrase have obligate, or potential valence positions in both languages. The Chapter Syntax as a valence component describes when syntax is an obligate or potential component in both languages. In the last part of dissertation is written a Valency Dictionary of Czech and Croatian Verbs.