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In search for Lindelöf C_p***'s***

Abstract: It is shown that if X is a first-countable countably compact subspace of ordinals then $C_p(X)$ is Lindelöf. This result is used to construct an example of a countably compact space X such that the extent of $C_p(X)$ is less than the Lindelöf number of $C_p(X)$. This example answers negatively Reznichenko's question whether Baturov's theorem holds for countably compact spaces.