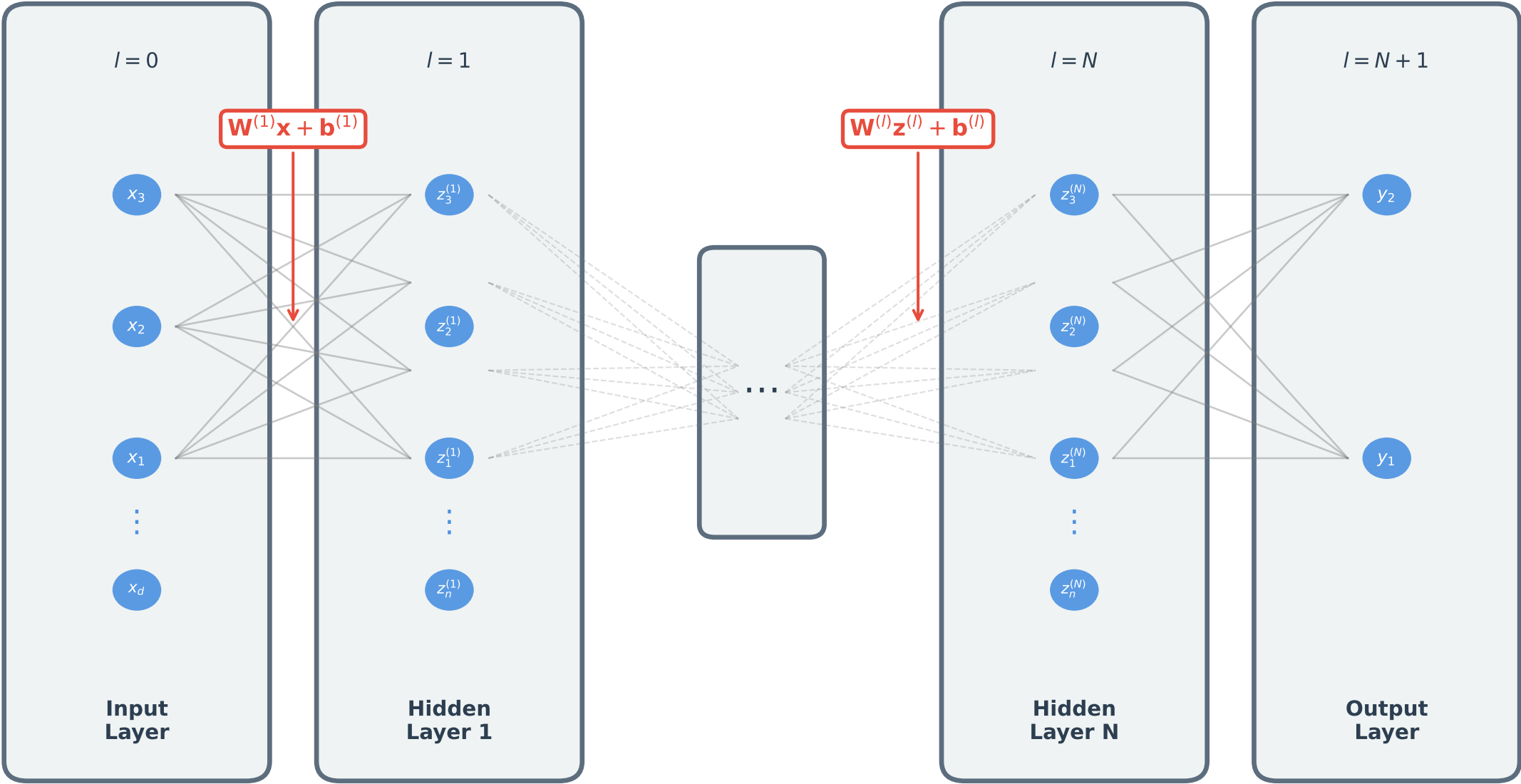


Basic Neural Network Architecture



$$\mathbf{z}^{(l+1)} = \sigma(\mathbf{W}^{(l)}\mathbf{z}^{(l)} + \mathbf{b}^{(l)})$$

$$\boldsymbol{\theta} = \{\mathbf{W}^{(l)}, \mathbf{b}^{(l)}\}_{l=0}^N$$