

Way 28: Future infrastructure

'Future Infrastructure' tool is used by IT managers and specialists in order to define the future infrastructure based on the shortcomings in the present infrastructure and its current development trends

The “**Future infrastructure**” tool is a part of the ‘planning the IS/IT infrastructure’ in the cycle ‘Analyzing IS resources and technology infrastructure’ which is the third among the four cycles in IS Planning.

The aim of this tool is to provide an appropriate set of technology, resources processes and services to meet the future infrastructure needs of the organization. It is crucial input for later IS organization planning and evaluation of the development portfolio. Table 1 gives the components of infrastructure for any company.

Components of Infrastructure
<ul style="list-style-type: none"> • Physical infrastructure • Architectures • Policies and standards • Management processes

Given below is a brief description of the various inputs to “**Future infrastructure**” tool.

“IS needs” tool result	<p>This result describes</p> <ul style="list-style-type: none"> • Information needs of organization. • Conceptual information systems • Business conclusions and recommendations • <u>Application portfolio</u> • <u>Business information models</u> <p><i>Helps in answering “What are the IS needs of organization?”</i></p>
Current IT infrastructure	<ul style="list-style-type: none"> • Helps in understanding what is and what can be improved in order to reach the expected level of infrastructure in future. <p><i>Helps in answering “What is the current IT infrastructure of organization?”</i></p>
“ IT development” tool and “Technology assimilation plan” tool result	<ul style="list-style-type: none"> • Identifies the <u>new development and trends in IT fields</u> that can be used. • Helps assimilate new technologies in organization. <p><i>What can be done to obtain the desired future infrastructure?</i></p>

Its potential outcome of this tool is the “*Management and control description of the future data, application, computing and communication infrastructure*”. In order to improve the efficiency of ‘Future infrastructure’ tool, its operation can be skipped when there is no change in tools 25, 26, 27 and the current IT infrastructure.