

# Ready for the cloud?

msg's cloud assessment  
creates clarity



High operating costs, insufficient performance, limited scalability, difficult and time-consuming hardware configuration and maintenance, little flexibility in case of temporary requirements... there are many reasons to supplement or even replace your own infrastructure by cloud solutions.

With increasing runtimes and requirements, application systems usually have similar problems: Growing operating costs with decreasing performance and stability are common symptoms of aging software. That's when a move to the cloud seems appealing. Various cloud providers advertise low operating costs and practically free scalability and redundancy.

Such a move may actually have benefits but there is no one right solution. A number of individual parameters must be considered before and during the move. Does migrating the application to the cloud (lift & shift) already produce the desired result? Or is an extensive transformation to the PaaS offers of the cloud supplier necessary? Is a conservative adaptation of the established architecture useful or would the system benefit from a new architecture adapted to the cloud environment?

In msg's cloud assessment, we clarify these and other questions together with you. We compare potential solution scenarios with their pros and cons and provide recommendations.

**The focus is on the clarification of the following aspects:**

- Which objectives are to be achieved by the move?
- Which functional and non-functional requirements must the application meet?
- Which cloud provider best matches your individual requirements?
- Comparison of beneficial variants for the move to the cloud.
- Individual recommendations for the target architecture and description of necessary measures.
- Estimation of the expected efforts and costs for move and operation.



## The msg cloud assessment procedure

The procedure comprises several steps. In those, we define the framework conditions and the special requirements with your business and technical experts.

### Step 1: Gather information about the current system

If documentation is already available, we review it and clarify open questions with you. If there is no existing documentation, we will gather all the required information together with you or your current provider.

### Step 2: Analyze and develop the target architecture

Afterwards, our cloud architects propose a beneficial transformation whilst considering your goals and framework conditions.

Besides the comprehensive expertise of our certified experts, we can also draw on additional expertise from our strategic partnerships with well-known cloud suppliers, if required. This enables us to develop the best solution for your use case.

### Step 3: Present and adapt

We present the result of the assessment in writing. It is equally important to us to discuss the result with you – in a workshop, for example. We adapt the results, if required.

### Step 4 (optional) Cloud preliminary study

During the assessment, special challenges can arise while developing the target architecture. These often cannot be solved directly with existing cloud services.

In such cases, we recommend conducting a preliminary study to test these requirements in the form of one or more proof-of-concepts. For example, the scaling behavior and possible performance bottlenecks can be identified and evaluated in advance in a load and performance test. This enables a more precise estimation of the effort required and a reduction in the risks for the migration project.

## Implementation

The actual move to the cloud is not part of our assessment. However, if you wish, we can of course support you in this as well. Or you place the responsibility directly and completely in our hands.

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Contact us and schedule a non-binding meeting with one of our experts.



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